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ABSTRACT

This guide is planned and organized to enable learners to connect interrelated concepts, content, and processes. It seeks to establish relationships among past, present, and future experiences and learning and was designed to help educators communicate with other educators in Wisconsin who have developed integrated and applied curricula. For the purposes of the guide, "integrated curricula" refers to connecting academic and vocational/technical competencies. Applied curricula reflect teaching strategies that require students to use knowledge and skills in solving real problems. The manual reflects teaching strategies that require students to use knowledge and skills in solving real problems. It is divided into the 16 Tech Prep/School-to-Work consortia and is grouped according to high schools within technical college boundaries. It is further divided by the curricular areas: integrated curricula, applied curricula, and youth apprenticeship curricula. Within each regional area the guide is divided into disciplines, such as Agriculture Education, Art, Business Education, Family and Consumer Education, Health Occupations, Language Arts, Marketing Education, Math, Science, Social Science, and Technology Education. Also included is a list of high schools, along with contact information, that teach Center for Occupational Research and Development courses. A list of schools that have adopted block scheduling has been included. (RJM)

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SELECTED Integrated & Applied Curricula

IN WISCONSIN SECONDARY SCHOOLS

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Wisconsin Department of Public Instruction
Wisconsin Technical College System

1999

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Selected Integrated and Applied Curricula in Wisconsin Secondary Schools
1999

WISCONSIN
DPI

Wisconsin Department of Public Instruction
Madison, WI

In collaboration with

Wisconsin
Technical College System

Madison, WI

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Tech Prep
WISCONSIN

Wisconsin Department of Public Instruction

Wisconsin Technical College System

University of Wisconsin System

January, 1999

Students achieve more when curriculum connections are made for them and when they are asked to apply new knowledge to real world settings. Teachers know this and are creatively leading the effort to move students from the classroom to real world settings. Our students are learning how math and English and science and art connect. At the same time, they are experiencing how academics translate into the world of business and industry.

Business and industry have recognized the need to integrate and apply knowledge as these are the primary skills needed in all jobs in today's workplace. They have communicated this need and education is responding. Teachers are forming teams that help one another develop innovative, interdisciplinary projects and integrated academic and vocational curricula.

Selected Integrated and Applied Curriclua in Wisconsin Secondary Schools is a sampling of applied and integrated curricula implemented during the past few years. Its purpose is to encourage other educators to consider new ideas and to foster activities that will help Wisconsin students better relate to the world around them. We want educators to communicate with each other by sharing curricula and strategies. The guide was jointly developed by the Wisconsin Technical College System and the Wisconsin Department of Public Instruction based on information supplied to us by school district personnel throughout Wisconsin.

We hope this guide proves to be useful for secondary and post-secondary teachers, directors of curriculum, school counselors, and others involved in the formidable task of developing curricula to prepare Wisconsin youth with the skills they need for the 21st Century.

Sincerely,

John T. Benson

John T. Benson
State Superintendent
Wisconsin Department of Public Instruction

Edward Chin

Edward Chin
State Director
Wisconsin Technical College System

> *"Let no one misinterpret the basic tenet of contextual learning—that content is equally important with context, but that context may well determine whether or not the content is actually learned. The two functions of education are obvious: knowing and doing. . . Knowledge that is simply poured, as by funnel, into the human mind, that in no way modifies behavior or creates a reaction or causes an expression, is likely knowledge gone to waste."* *(Parnell, 1995)*

Introduction

Curriculum integration and application are important components of educational reform strategies of the 1990's. Wisconsin educators continue to embrace these concepts and redesign or develop new courses that connect knowledge and skills for students and engage them in their own learning.

As teachers develop integrated and applied curricula, they may begin by seeking information from colleagues who teach similar curricula. This resource guide is designed to help educators communicate with other educators in the state who have developed integrated and applied curricula. The selected integrated and applied course offerings provide examples of curricula developed through Wisconsin's Tech Prep and School-to-Work efforts.

The information for this resource guide was submitted by school districts in March, 1998, on the Department of Public Instruction's Annual Tech Prep Report (PI 8101).

Understanding Terminology

Academic and vocational integration, like any major curricular approach, can be done in a variety of ways and to varying degrees. It promotes learning in a manner which reflects the challenges faced by students when they enter the world outside of school. The way in which problems are presented, the situations students will face and the skills needed to solve those problems closely model expected behaviors in the adult world. Students are more secure in learning as a result of being able to see the connection between school activities and their non-school lives. (Westberry, 1997)

For the purposes of this guide, "integrated curricula" refers to connecting academic and vocational/technical competencies. Courses that integrate only academic competencies or only vocational/technical competencies do not meet this definition.

Integrated curricula is planned and organized to enable learners to better connect interrelated concepts, content and processes and seek relationships between past, present and future experiences and learning. Integrated learning creates meaning and relevance to the student's experience of schooling, transforming what is often a disjointed series of courses into a more meaningful education which applies to life outside of school. Integrated learning is also a teaching strategy that more closely matches how people think. In real life, people rarely consider everyday problems in a vacuum. Rather, they consider many sides, confer with various people, and research various options when confronting the problems and challenges that face them.

Collaboration among teachers is essential to integrating curricula. Two or more teachers from different disciplines can work together to coordinate their course instruction, develop materials, link academic and occupational skills, and develop varied instructional strategies. The teaching of curriculum integration does not require having two teachers in the room at the same time, although some schools use this model.

Applied curricula reflects teaching strategies that require students to use knowledge and skills in solving real problems. Students experience subject matter in a context that is useful to them because it relates to actual life roles. Some people call this "contextual learning." Applied methods are an integral part of vocational/technical classes. Applied courses have high academic and technical standards and are designed to accommodate all students' learning styles. Any course that is currently being taught could be taught in a contextual way. Applied teaching strategies may be reflected in an entire course or in selected units or activities. Some examples of applied activities (National Center on Education and the Economy and the University of Pittsburgh) which may help contextualize learning for students include: designing a product, service, or system; improving a system; planning and organizing an event or activity; making an oral presentation to a knowledgeable audience; writing a report or proposal; making a multimedia presentation; collecting information to support project work; using on-line services and electronic databases; using software to create documents; learning from models; managing personal resources; evaluating one's own work; working on teams; helping others learn; and working with a client.

Many school districts use commercially-prepared applied curricula developed by the Center for Occupational Research and Development (CORD) or the Agency for Instructional Technology (AIT) such as Applied Mathematics, Applied Communications, Applied Biology/Chemistry, and Principles of Technology. Some educators adopt entire courses such as Applied Mathematics, while others infuse individual modules or units into an existing course.

Guide Layout

The guide is divided by the 16 Tech Prep/School-to-Work consortia and grouped according to high schools within technical college boundaries. It is further divided by the curricular areas:

Integrated Curricula
Applied Curricula
Youth Apprenticeship Curricula

Within each regional area the guide is divided into disciplines, (i.e. Agriculture Education, Art, Business Education, Family and Consumer Education, Health Occupations, Language Arts, Marketing Education, Math, Science, Social Science, and Technology Education). A discipline cross-reference list of integrated curricula is also provided so that teachers can easily find curricula which is integrated with their specific discipline.

A list of high schools that teach CORD courses and a chart of UW-System credit given for specific CORD courses is also included.

The guide's last pages list contact persons at each high school. To learn more about the revised, upgraded or new classes within a school district, call these liaisons. They can provide up-to-date information and connect you with the teachers who created or are teaching the classes listed.

A listing of schools that have adopted block scheduling has been included in response to continuing requests for this information. This should help people as they make decisions about how they can implement change within this structure.

Co-operative education courses (co-op) have not been included in this guide. Educators who are considering development of a co-op should contact the DPI consultant in their vocational area.

For Further Information

The DPI Lifework Education Team hopes readers find this resource guide helpful. The information will continue to be updated.

For additional information, please feel free to contact: Connie Colussy, Education Consultant, Tech Prep (608-267-3163), at the Department of Public Instruction or Gabrielle Banick Wacker, Education Consultant, Tech Prep (608-266-1724), at the Wisconsin Technical College System Board, or Cindy Thomas, Special Title IIIE Project Staff (608 266-5858).

References:

Parnell, Dale. (1995). Why Do I Have to Learn This? Waco, TX: CORD Communications.

Westberry, Rich. "Integrating Academic and Vocational Education." In *Promising Practices for Connecting Schools with the Real World*. Eds. William E. Blank and Sandra H. Harwell, University of South Florida, Tampa, Florida, 1997.

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Integrated Curricula

Discipline Key

AG — Agriculture Education
AR — Art
BE — Business Education
FCE — Family & Consumer Education
FL — Foreign Language
HO — Health Occupations
LA — Language Arts
MK — Marketing Education
MA — Math
OTH — Other
SCI — Science
SS — Social Science
TE — Technology Education

Blackhawk Technical College

School-to-Work / Tech Prep BTC / CESA #2 Consortium

Business Education

Written Communications
Teaches the writing process which includes pre-writing, drafting, revising, and editing. Through a variety of writing assignments, students analyze audience and purpose while researching and organizing ideas. Business communication skills are enhanced through letters, memos, news releases, and reports. Areas of study include human relations, language skills review, composition and enhancement of listening and responding techniques. Electronic communication skills also are introduced.
Grades: 11, 12 **X**
Albany

Language Arts

Oral Communications
A one semester course in which students develop public speaking skills, group decision making techniques, effective listening, interpersonal relationships, non-verbal communication and leadership skills.
Grades: 12
Brodhead

Other

Medical Terminology
A comprehensive study of medical vocabulary. The student learns the pronunciation, spelling, definition, and correct usage of medical terms used in a variety of health care settings.
Grades: 12 **X**
Beloit: Memorial

X indicates course is cross-referenced with others. See cross reference list.

Other *(continued)*

Fire Science
A basic training course geared at the entry level of the Fire Science program. Areas of study include: firefighter safety, protective equipment, department organizations, fire apparatus, fire behavior, fire extinguishers, fire hose and appliances, water supply, fire streams, ladders, basic fire-fighting equipment, forcible entry and ventilation, overhaul and salvage, self-contained breathing apparatus, search and rescue, fire alarms and communications, fire inspection and prevention, and sprinkler systems.
Grades:
Beloit: Memorial

Police Science
An introductory course dealing with the process, institutions, and administration of the criminal justice system. It includes an overview and study of the issues of law enforcement, courts, corrections, and the juvenile justice process. A basic course for a career in police science at the post-secondary level.
Grades: 12 **X**
Beloit: Memorial

X indicates course is cross-referenced with others. See cross reference list.

Chippewa Valley Technical College

School-to-Work * Chippewa Valley

Agriculture Education

Environmental Science
Students learn and apply science related information to environmental issues. Integration of agriculture concepts are applied to science related areas.
Grades: 11, 12 **X**
Mondovi

Business Education

English 11/Word Processing
One semester. Team planning helps students improve ability to read and write, organize their thinking, improve methods of organization in writing, and learn presentation techniques for their work.
Grades: **X**
Eleva-Strum

Science

Soils & Water
Integrates agriculture and watershed analysis and uses applied methodology.
Grades: 9, 10, 11, 12 **X**
Cornell

Technology Education

Theater Arts
One-term. Students read and perform a wide variety of dramatic literature. Students also learn set construction and perform a play for area elementary students.
Grades: 11 **X**
Ellsworth

X indicates course is cross-referenced with others. See cross reference list.

Fox Valley Technical College

Fox Valley School-to-Work / Tech Prep Consortium

Technology Education

Transportation
Integration of Language Arts, Science and Tech Ed. Departments.
Grades: 9 **X**
Brillion

Science in Technology
Students develop an understanding of the relationship between science and industrial technology in the areas of transportation, energy, power, manufacturing, and construction. Students explore modules in construction, transportation, research, design, energy and flight.
Grades: 11, 12 **X**
Seymour

Science & Technology
Applies biology and chemistry skills to three primary types of learning activities. Laboratory activities reinforce principles and concepts that have direct occupational relevance. Learning activities include classroom discussions, individual projects, field trips, outdoor activities and laboratory investigations.
Grades: 10, 11, 12 **X**
Wautoma

X indicates course is cross-referenced with others. See cross reference list.

Gateway Technical College

Gateway School-to-Work Consortium

Agriculture Education

Chemistry in the Community
A lab oriented, issues based course to introduce the student to chemical principles as they relate to technology, society and the students' personal lives. Students engage in study and decision making on current topics such as water, chemical resources, food, air, petroleum, and health.
Grades: 11, 12 **X**
Racine: Park

Business Education

Integrated English Computer Literacy 9
One semester. Ninth grade English has a computer literacy class support program. Students use computer strategies to enhance English projects.
Grades: 9 **X**
Racine: Park

Integrated English Computer Literacy 10
One semester of 10th grade English has a computer literacy class support program. Students work on English projects and curriculum simultaneously.
Grades: 10 **X**
Racine: Park

Technology Education

Television Production
Students experience both the technical and performance aspects of television production. Students write, script, produce, and direct many kinds of productions. They learn to operate microphones and sound equipment, special effects generators, computer graphics, video cassette recorders, and video editors. On camera, in studio, and post production methods for audio and video editing are also a part of the production experience.
Grades: 10, 11, 12 **X**
Racine: Park

X indicates course is cross-referenced with others. See cross reference list.

Madison Area Technical College

Madison Area Technical College Tech Prep / School-to Work Consortium

Business Education

International Business I
Course is divided into three categories of emphasis: German, French and Spanish. Students learn simple expressions, including business and financial terms and cultural information. Explores common business practices including banking, money exchange, European Community and marketplace, customs, and transportation.
Grades: 10, 11, 12 **X**
Middleton

Business Management
Explores ownership of businesses of all sizes and the concepts of the free enterprise system. Students participate in "The Stock Market Game," investing a hypothetical $100,000.
Grades: 10, 11, 12 **X**
Waterloo

Desktop Publishing
Uses microcomputers to design and produce materials that are made up of words and pictures i.e. posters, cards, brochures, schedules, fliers, and newsletters. Students study the basic principles of publication design in addition to designing and preparing materials.
Grades: 10, 11, 12 **X**
Waterloo

Language Arts

Career Skills
Students develop the skills needed to seek, obtain and maintain employment. Course content includes preparing a resume, filling out job application forms, preparing a letter of application and a follow-up letter, interviewing, human relations skills and learning about advancement on the job.
Grades: 10 **X**
Waterloo

X indicates course is cross-referenced with others. See cross reference list.

Technology Education

Communication Technologies
Students learn about the many communication avenues through hands-on activities including radio production, digital photography, architectural computer aided drafting, Internet exploration, robotics control center, typography, electronics desktop publishing and computer numerical control machining.
Grades: 9, 10, 11, 12 **X**
Waterloo

Engine Technology
Students learn the language of industry using freehand sketching techniques, mechanical drawing instruments and computer aided design. Multiple views of mechanical devices, floor plans and elevation are required projects. Careers in architecture, engineering and design all use this language.
Grades: 9, 10, 11, 12
Waterloo

Manufacturing Technology
The class organizes into a company, issues stock, develops a product, manufactures and sells the product and makes a profit on the product. Students receive a working knowledge of the free enterprise system. Planning and design, estimating materials and managing a project are shared areas with Construction Technology.
Grades: 9, 10, 11, 12 **X**
Waterloo

Graphics I
Topics: graphic arts industry, measurement, typography, planning, design and layout, copy preparation, process photography, lithographic imposition, lithography one color printing and finishing and binding.
Grades: 9, 10, 11, 12 **X**
Waterloo

Graphics II
Topics: one color screen printing desktop publishing, two color lithographic offset printing, legal considerations for the printer, multi-color screen printing, career opportunities and individually designed projects. Students may compete for an apprenticeship in graphics.
Grades: 9, 10, 11, 12 **X**
Waterloo

Transportation Methods
Students learn by hands-on activities such as aerospace through model rocketry, principles of flight by flying a model glider, design of cars with different propulsion systems.
Grades: 9, 10, 11, 12 **X**
Waterloo

X indicates course is cross-referenced with others. See cross reference list.

Mid-State Technical College

Mid-Wisconsin School-to-Work Partnership

Business Education

Computer English
Business Education and English Department team teach academic and technical content for personal and professional use. The language arts skills of reading, writing, speaking, and listening are emphasized. Discussions build students' self-confidence and motivate them to develop their leadership potential. Students learn various computer applications, such as word processing, databases, spreadsheets, desktop publishing and the Internet. They learn to integrate these techniques into projects.
Grades: 9 **X**
Stevens Point

International Business
Includes cultural diversity, business concepts, traveling and communicating internationally.
Grades: 11, 12 **X**
Marshfield

X indicates course is cross-referenced with others. See cross reference list.

Milwaukee Area Technical College

Milwaukee Area Technical College / K-12 School District Consortium

Business Education

Business and Finance
Students in the Business and Finance Career Cluster develop skills in the following areas: banking and finance, accounting, computer technology-software management (word processing), insurance, advertising, wholesaling, retailing, manufacturing, international trade, and competitive employability skills. Those who meet competencies are eligible for employment at Firstar Bank in an above entry-level position or may enroll in a postsecondary school. Internship training and problem solving links the school curriculum with practical experience.
Grades: 9, 10, 11, 12 **X**
Milwaukee: Hamilton

Family & Consumer Education

Health and Human Services
The Health and Human Services Career Cluster is designed for students with the dedication and commitment necessary for people-oriented careers. Occupational interest includes careers in health, nutrition sciences and food service, education and communication, fashion and housing, institutional management, social work and psychology. Opportunities are provided for job shadowing, youth apprenticeships, articulated courses, a cooperative education program in the senior year and work related seminar classes.
Grades: 9, 10, 11, 12 **X**
Milwaukee: Hamilton

Let's Connect Project
Emphasizes life-long skills for learning.
Grades: 9 **X**
Milwaukee: Rufus King

Business/Urban Planning
Integrated subjects, block schedule, common planning to promote cooperative, applied, authentic tasks. Students work closely with community, business and industry.
Grades: 9, 10 **X**
Milwaukee: South Division

English II/Communication II
Integration of biology, math and business concepts in both classes.
Grades: 10 **X**
South Milwaukee

X indicates course is cross-referenced with others. See cross reference list.

Other

English 9 Personal Identification Unit
Students learn about their individual learning styles and multiple intelligences. Using this information, they survey career clusters using the WCIS computer program. Personal responsibility and meeting deadlines is a primary focus.
Grades: 9 **X**
Whitnall

English 10 Career Inventory Unit
Focuses on identification of an appropriate career for the student. Uses a variety of reference materials, including the WCIS computer program and the video program Enter Here. Update career plans, activity sheet, and transcript, and solicit references. Writing a resume, a cover letter, a letter of application, and a job application form and complete the Passport to Employment workbook. The primary focus is the narrowing of career options.
Grades: 10 **X**
Whitnall

English 11 Independent Personal Inventory
Individualized career and future planning. During the year, students update their activity sheet, transcript, and resume. WCIS is used; a guided sheet narrows the focus to finding post-secondary institutions appropriate for their chosen job or career. Students begin an "On Target" Checklist which guides them through junior and senior years so they are aware of deadlines for standardized tests and college and scholarship applications. A management/ leadership style inventory is administered by the counselors to aid students' continued self-analysis.
Grades: 11 **X**
Whitnall

English 12 Exit Assessment
Seniors update their activity sheet and resume and solicit letters of reference. Students eventually complete an Exit Assessment to be written by a team of faculty members representing all disciplines. This assessment becomes a pre-requisite to graduation and incorporates not only a basic knowledge of academics, but also an application of life skills learned during the previous years.
Grades: 12 **X**
Whitnall

X indicates course is cross-referenced with others. See cross reference list.

Science

Arts and Sciences

Careers for the future is the focus of the Arts and Science Career Cluster with a global perspective. The arts emphasizes communication and cultural links in a diverse world. The sciences emphasizes the application of scientific theory and knowledge as a common vehicle for problem solving. These experiences, which include a two year requirement of foreign language, could lead to careers in the Fine Arts (music, drama, art, and cinema), environmental sciences (resource management of air, water, food, and energy and waste management), or to careers such as a language translator, journalist, political scientist, engineer, and attorney.
Grades: 9, 10, 11, 12 **X**
Milwaukee: Hamilton

Technology Education

Communication Technology

The Communication Technology Career Cluster emphasizes design, production, storage, and retrieval of information using a variety of methods. Experiences in printing and publishing, photography, electronics and audio/visual communications expand creative thinking and problem solving. Youth Apprenticeship in printing and coop experiences in other communication pathways link school curriculum with the job-site. The various career pathways help students prepare for careers in the communication field.
Grades: 9, 10, 11, 12 **X**
Milwaukee: Hamilton

Transportation Technology

Students gain understanding and apply science and physics to learning about the automobile, hydraulic brakes, friction, electrical current flow and chemical reaction in the battery.
Grades: 9, 10 **X**
Brown Deer

X indicates course is cross-referenced with others. See cross reference list.

Moraine Park Technical College

Moraine Park Partnership

Agriculture Education

Agri-business and Leadership
Students work on projects ranging from marketing to parliamentary procedure. Computer use is stressed. Students understand and implement supply and demand, demonstrate familiarity with financial statements, organize and direct group activities as a result of leadership training, and appreciate running a business or organization with the aid of parliamentary procedure.
Grades: 11, 12 **X**
Chilton

Business Education

Consumer Education
Prepares students to make personal financial decisions. Develops sound budgeting and recordkeeping skills. Students learn to buy and sell wisely, compare financial institutions' services, compute simple personal income tax forms, standard and itemized. Students understand the implications of major consumer protection laws and governmental consumer policies.
Grades: 10, 11, 12 **X**
Chilton

X indicates course is cross-referenced with others. See cross reference list.

Language Arts

Icons
Country teams work on the communication and listening skills related to their simulations. Upon conclusion of the simulation, students and their instructors evaluate team performances by reviewing messages and negotiations. Students reflect on and gain insight into the process itself.
Grades: 12
Fond du Lac: Goodrich

Applied Communication
Focuses on communication and English skills in an applied setting. Helps students transfer improved reading, writing, listening, speaking, problem solving, visual and non-verbal skills to future occupations. Includes activities dealing with communication in the work place, problem solving techniques, small group work, video based learning activities, oral and written projects, individual and group presentations.
Grades: 12 **X**
Fond du Lac: Goodrich

Social Science

Workplace Readiness
Students select a term related to "progressism" in the workplace, complete the research and present findings to the class. Classroom discussion emphasizes worker rights and responsibilities, employer rights and responsibilities, and how people have worked to gain safe, hazard-free work environments.
Grades: 10 **X**
Horicon

Technology Education

Applied Math & Technology Education
The two courses are combined several times throughout the year to use hands-on activities to teach math concepts.
Grades: 11, 12 **X**
Beaver Dam

Introduction to Communication
Correlates the needs and uses of communications systems and their application. Students learn to describe and evaluate areas of technical drafting, electronics, graphic, microwave, and audio/visual communication.
Grades: 9, 10, 11, 12 **X**
Chilton

X indicates course is cross-referenced with others. See cross reference list.

Technology Education *(continued)*

Introduction to Transportation
Analyzes past, current, and future trends in transportation. Correlates the needs and uses of transportation systems and their application today. Topics: technical drafting, industrial control, pneumatics, electricity/electronics, microwave communications, four stoke engine/dynamometer, alternative energy and aerodynamics.
Grades: 9, 10, 11, 12 **X**
Chilton

Technical Systems of Transportation
Students learn the transportation methods used to deliver goods and services to the world's market place and identify carriers of products. They study governmental regulation of transportation methods for products. Students identify means of energy production and distribution and research a method of supplying an alternative energy source to the community.
Grades: 10, 11, 12 **X**
Chilton

X indicates course is cross-referenced with others. See cross reference list.

Northcentral Technical College

Central Wisconsin School-to-Work

Business Education

Computer Literacy
Topics include: ethics/impact/trends, operation of the Power PC Macintosh, a variety of software applications, hardware, telecommunications, job campaign and careers.
Grades: 9, 10, 11, 12 **X**
Medford

Technology Education

H.S. Art
Some topics include: Web page design, graphic arts, page layout, ceramics, Internet research and commercial art using the computer as a tool.
Grades: 9, 10, 11, 12 **X**
Athens

Individual Study-Graphic Arts
Graphic arts, page layout and web page authoring are explored. The class moves across curricular areas.
Grades: 10, 11, 12 **X**
Athens

X indicates course is cross-referenced with others. See cross reference list.

Northeast Wisconsin Technical College

Northeast School-to-Work / Tech Prep Consortium

Agriculture Education

Applied Biology/Chemistry
Presents biology and chemistry in the context of work, home, society and the environment. No textbook is used, instead class activities are utilized that help students understand how science is applied in everyday life.
Grades: 9, 10, 11, 12 **X**
Wrightstown

Business Education

Business Management and Contemporary Social Problems
Students' beliefs about diversity issues and biases are measured on a pretest. Videos present different views of ethnic groups. Discussion and analysis of students' own prejudices follow. Affirmative action and "not in my backyard" issues are discussed relating to business/community issues. Students research diversity topics of their choice and prepare reports to share with classmates in large group settings.
Grades: 11, 12 **X**
Green Bay: Southwest

Careerways 2000
Career exploration based on WCIS data combines with a business approach to the world of work.
Grades: 9, 10 **X**
Shawano-Gresham: Shawano

Language Arts

Professional Multimedia Communications
Emphasizes writing professional reports, correspondence, research papers, multimedia presentations, and proposals related to today's social and economic issues.
Grades: 11, 12 **X**
Bonduel

X indicates course is cross-referenced with others. See cross reference list.

Southwest Wisconsin Technical College / K-12 School-to-Work Consortium

Family & Consumer Education

Foods Around the World
The study of how food patterns in America were formed. Students also study the food and geography of different countries.
Grades: 10, 11, 12 **X**
Kickapoo

X indicates course is cross-referenced with others. See cross reference list.

Waukesha County Technical College

Waukesha County School-to-Work Consortium

Family & Consumer Education

Food Science
Two semesters, team taught. Students conduct and eat food experiments to find out why ingredients do what they do. Students analyze the biochemistry of food and nutrition while they learn how food affects their bodies. Students also learn about the various methods of food processing.
Grades: 11, 12 **X**
Palmyra-Eagle

X indicates course is cross-referenced with others. See cross reference list.

Western Wisconsin Technical College

Western Wisconsin School-to-Work Consortium

Business Education

International Business
Helps students develop an understanding of different cultures and languages, basic business concepts, political structure, legal systems and business practices of other nations. Units are integrated witn French and Spanish classes.
Grades: 11, 12 **X**
Holmen

Language Arts

Language 9
Counselors and the Language Arts Department team teach career development units. At grade 9, students explore careers based on interests, abilities, and values.
Grades: 9 **X**
Holmen

Language 10
Counselors and the Language Arts Department team teach career development units. At grade 10, students research careers and training required for the job. Job shadows are required.
Grades: 10 **X**
Holmen

Technology Education

Science, Tech and Society
Emphasizes the use of technology to collect, analyze and present data related to science and our society. Students learn how to use Powerpoint to present projects they have researched. An integrated activity with metals is included to learn about the melting process.
Grades: 11, 12 **X**
Holmen

X indicates course is cross-referenced with others. See cross reference list.

Wisconsin Indianhead Technical College

Northwest Wisconsin Area Tech Prep / School-to-Work Consortium

Agriculture Education

Environmental Science
Topics: basic ecology, population dynamics, natural resource use and preservation, pollution and environmental societal effects. Field trip and hands-on lab activities are used to provide realistic critical thinking opportunities.
Grades: 11, 12 **X**
New Richmond

Greenhouse
The course covers how plants grow, as well as plant propagation, greenhouse crops, pesticides, and control of plant pests and diseases. Container grown plants including terrariums, interior landscape, and greenhouse management are studied.
Grades: 10, 11, 12 **X**
New Richmond

Business Education

Applied Communications
One semester. Students learn more about problem solving, group interaction, getting along with co-workers, speaking to groups, advertising, and job seeking skills. This is accomplished through various individual and group projects. Skills that should be enhanced are listening, writing, and speaking.
Grades: 10, 11, 12 **X**
Drummond

Business English
One semester. Students understand and apply the mechanics and psychology of effective oral and written communication skills for successful employment. Areas of study include: a review of basic language skills, composition of business correspondence, and proper job campaign techniques.
Grades: 10, 11, 12 **X**
Drummond

Entrepreneurship
Students start their own business and explore the elements of entrepreneurship from business plan to production to sales.
Grades: 11, 12 **X**
Hayward

X indicates course is cross-referenced with others. See cross reference list.

Science

Biology
Students set up a business selling garden plants to community members. In the past students have partnered with a local mining company to help them in the reclamation stage of growing plant stock and assisting in planting. Students participate in an entrepreneurship contest.
Grades: 11, 12 **X**
Flambeau

Technology/Science Education
The instructors work closely with the Physical Science instructor to make sure course objectives are met using applied teaching methods.
Grades:
Baldwin-Woodville

X indicates course is cross-referenced with others. See cross reference list.

Cross Reference of Integrated Courses

Discipline Key

AG — Agriculture Education
AR — Art
BE — Business Education
FCE — Family & Consumer Education
FL — Foreign Language
HO — Health Occupations
LA — Language Arts

MK — Marketing Education
MA — Math
OTH — Other
SCI — Science
SS — Social Science
TE — Technology Education

Tip for reading this section: Integrated courses link academic and occupational skills. The following integrated courses are organized by one of the high school departments (usually a vocational department). The abbreviations in the third column indicate the other disciplines with which the course is integrated. Example: Written Communications integrates Business Education with Language Arts (LA).

Blackhawk Technical College

Business Education

Written Communications	Albany	LA

Other

Medical Terminology	Beloit: Memorial	LA, HO
Police Science	Beloit: Memorial	LA, HO

Chippewa Valley Technical College

Agriculture Education

Environmental Science	Mondovi	SCI

Business Education

Contemporary Language Arts	River Falls	LA
English 11/Word Processing	Eleva-Strum	LA

Family & Consumer Education

Diversified Occupations	River Falls	LA

Science

Soils & Water	Cornell	AG

Technology Education

Theater Arts	Ellsworth	LA

Fox Valley Technical College

Technology Education

Science & Technology	Wautoma	SCI
Science in Technology	Seymour	SCI
Transportation	Brillion	SCI, LA

Gateway Technical College

Agriculture Education

Chemistry in the Community	Racine: Park	SCI, TE

Business Education

Integrated English Computer Literacy 9	Racine: Park	LA
Integrated English Computer Literacy 10	Racine: Park	LA

Technology Education

Television Production	Racine: Park	LA

Madison Area Technical College

Agriculture Education

Biotechnology	Verona	SCI

Business Education

Business Management	Waterloo	SS, MA, LA
Desktop Publishing	Waterloo	MA, LA
International Business I	Middleton	FL

Family & Consumer Education

Child Care & Development	Waterloo	SCI, SS, LA
Educated Consumer	Verona	MA, SS
Educated Consumer II	Verona	MA, SS
Relationships	Waterloo	SCI, LA, SS

Language Arts

Career Skills	Waterloo	BE, MA, SCI

Technology Education

Communication Technologies	Waterloo	LA, MA
Graphics I	Waterloo	LA, MA, SCI
Graphics II	Waterloo	LA, MA, SCI
Manufacturing Technology	Waterloo	SS, MA, SCI
Principles of Engineering	Fort Atkinson	MA
Technical Drawing	Waterloo	MA, LA
Transportation Methods	Waterloo	SCI, MA

Mid-State Technical College

Business Education

Computer English	Stevens Point	LA
International Business	Marshfield	FL

Milwaukee Area Technical College

Business Education

Business and Finance	Milwaukee: Hamilton	LA
Business/Urban Planning	Milwaukee: South Division	MA, SS, LA
English II/Communication II	South Milwaukee	LA, MA, SCI
Let's Connect Project	Milwaukee: Rufus King	LA, SCI, SS

Family & Consumer Education

Health and Human Services	Milwaukee: Hamilton	SS

Other

English 9 Personal Identification Unit	Whitnall	LA
English 10 Career Inventory Unit	Whitnall	LA
English 11 Independent Personal Inventory	Whitnall	LA
English 12 Exit Assessment	Whitnall	LA
Experimental Patterns of Civ & English	Whitnall	SS

Science

Arts and Sciences	Milwaukee: Hamilton	BE, OTH

Technology Education

Communication Technology	Milwaukee: Hamilton	LA
Engineering Design	Brown Deer	MA
Technical Design	Brown Deer	MA
Transportation Technology	Brown Deer	SCI

Moraine Park Technical College

Agriculture Education

Agri-business and Leadership	Chilton	SS
Animal Care	Lomira	SCI
Conservation	Lomira	SCI

Horticulture	Lomira	SCI
Livestock Production	Lomira	SCI

Business Education

Consumer Education	Chilton	MA

Language Arts

Applied Communication	Goodrich	BE, FCE, MK

Social Science

Workplace Readiness	Horicon	OTH

Technology Education

Applied Math & Technology Education	Beaver Dam	MA
Introduction to Communication	Chilton	LA
Introduction to Transportation	Chilton	SCI
Technical Systems of Transportation	Chilton	SCI

Northcentral Technical College

Business Education

Computer Literacy	Medford	LA
Individual Study	Athens	LA, MA

Technology Education

H.S. Art	Athens	LA, SS
Individual Study-Graphic Arts	Athens	LA, SS

Northeast Wisconsin Technical College

Agriculture Education

Applied Biology/Chemistry	Wrightstown	SCI

Business Education

Business Management and Contemporary Social Problems	Green Bay: Southwest	SS
Careerways 2000	Shawano-Gresham: Shawano	SS

Language Arts

Professional Multimedia Communications	Bonduel	BE

Southwest Wisconsin Technical College

Family & Consumer Education

Food Science	Palmyra-Eagle	SCI
Foods Around the World	Kickapoo	SS

Waukesha County Technical College

Agriculture Education

Environmental Science	New Richmond	SCI

Western Wisconsin Technical College

Business Education

International Business	Holmen	FL

Language Arts

Language 9	Holmen	OTH
Language 10	Holmen	OTH

Technology Education

Science, Tech and Society	Holmen	SCI, BE

Wisconsin Indianhead Technical College

Agriculture Education

Greenhouse	New Richmond	SCI

Business Education

Applied Communications	Drummond	LA
Biology	Flambeau	SCI
Business English	Drummond	LA
Entrepreneurship	Hayward	MA, LA

Applied Curricula

Discipline Key

AG — Agriculture Education
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Blackhawk Technical College

School-to-Work / Tech Prep BTC / CESA #2 Consortium

Agriculture Education

Agriculture IV
Explores the 4 methods of doing business in the U.S. (sole proprietorship, partnership, corporation and cooperatives). Students learn the basic principles of business management including budgeting, inventory, investment, taxes, cost analysis and cashflow analysis. Includes a unit on agricultural law. Students discover what determines the price of food and fiber products, the role of supply and demand, the functions of the various marketing services and the importance and techniques of agriculture advertising. Students explore the futures market and develop an understanding of how the commodity markets function.
Grades: 11, 12
Brodhead
Janesville: Parker

Environmental Conservation
Students develop an appreciation for resources and learn techniques used to manage them effectively. Units of study include: resource classification, water conservation, soil conservation, forestry, air pollution, minerals, energy, solid wastes, pesticides and noise pollution. Students can expect to recognize characteristics of biomes, do soil sampling and soil analysis, recognize air and water quality factors and pollutant groups, formulate an energy management philosophy, and study forest and timber management practices. Students take part in FFA career development activities.
Grades: 11, 12
Janesville: Parker

Greenhouse Production and Management
Introduces students to the production of house plants and flowering and vegetable plants that can be grown in a greenhouse. Gardening topics such as fertilizers, proper watering, plant requirements, growth regulators and soil is included. Floral arranging and design, as well as hydroponics is explored. Students learn to propagate from cuttings and culture greenhouse plants.
Grades: 11, 12
Janesville: Parker

Landscape and Nursery
Students gain insight into how trees, shrubs and other plant materials are produced and used in a landscape design. Lawn and turf grass management as related to homes, golf courses, and parks is explained. Orchard production of large and small fruits is discussed and applied. Students learn to draw a landscape design using principles of landscape architecture, learn to produce efficient, high quality crops of fruits and berries, study proper techniques of lawn care and turf management, and use computer aided design to study landscape design.
Grades: 11, 12
Janesville: Parker

Agriculture Education *(continued)*

Wildlife Ecology
Examines how America's resources provide aesthetic, scientific, recreational and economic benefits. Units of study include the principles of fish and wildlife management, i.e., ecology, history of wildlife management, small game, big game, fur bearing animals, fish management, game laws and issues, endangered and threatened species and aquaculture. Students study issues related to hunting and trapping and study game management practices and principles.
Grades: 11, 12
Janesville: Parker

Business Education

Business Occupations
Covers the basics of office procedures and the techniques necessary to qualify for work in an office. The course includes units on human relations, filing, business math, 10-keypad calculator applications, computer operations using word processing and data base, transcribing machines, payroll, record keeping, keyboarding, formatting documents, job applications, business English and correspondence. An office simulation is an important part of this course. The course prepares students to enter a job directly after graduation or to obtain advanced work while pursuing post-secondary education.
Grades: 12
Albany

Business Occupations
Instruction in telecommunications, word processing, data processing, spreadsheets, business skills, job search, application and interview are included along with instruction related to on-the-job training skills.
Grades: 12
Beloit: Memorial

Business Education *(continued)*

Business Communications
Recommended for students interested in the business world. Students learn about telecommunications, human relations skills, nonverbal communications, and oral and written communications. IBM compatible computers are used. Each student leaves the class with a portfolio of his/her own resume and letter of application. The student experiences telecommunications, role plays human relations situations, composes business letters, memos, newsletters, develops reports and group presentations, produces a resume and letter of application and practices interviewing techniques.
Grades: 11, 12
Janesville: Craig, Parker

International Business
A foundation for becoming informed about the global business environment. Topics include: the impact of international business at the local, state and national level; social/cultural, political, legal, and economic influences on international business; and challenges to international business, such as finance, management, different living and working conditions, foreign markets and consumer behavior. Class discussions, hands-on projects, and case studies are used. Students complete research through current periodical, newspaper, or Internet resources on global business topics.
Grades: 11, 12
Janesville: Craig, Parker

Introduction to Law
A consumer-oriented law course covering crimes, torts, court procedures and other legal topics. Students learn about law enforcement and the courts, constitutional law, criminal law, civil law, contract law, landlord and tenant law, personal property law, juvenile law, consumer law, family law, credit law, law for the minor, real property and business organizations law. Students interact with community speakers from the legal field and visit local legal facilities.
Grades: 11, 12
Janesville: Craig, Parker

Business Communication
Semester class that is team taught by Business Ed and English Departments. Designed to work on improving communication skills, especially as they are used in a business or workplace setting. The course includes such topics as how to write good memos and organize reports, how to work as a team and function as a member of a meeting, problem solving, and listening strategies. Class work includes job/worksite simulations, report preparation and delivery, small group interaction, and self-improvement skill both verbal and nonverbal.
Grades: 11, 12
Monroe

Family & Consumer Education

Career Planning
Students are provided the opportunity to develop skills needed to seek, obtain, and maintain employment. Students experience job-shadowing, interviews, and budgeting.
Grades: 11, 12
Albany

Quantity Food Production
Prepares students for occupations in management, production, and service in the food industries. The class is designed to promote growth of positive human relationships, employability, and career development skills.
Grades: 11, 12
Albany

Food Service I
For students interested in exploring food service occupations. Topics include: jobs in food service, equipment, sanitation, food preparation and serving. Activities include: banquets, speakers and field experience. A realistic look at the food and hospitality industry is done through field trips, guest speakers and labs. Out of class time is required along with participation in HERO activities. Catering jobs are available throughout the year.
Grades: 11
Beloit: Memorial

Introduction to Food Service
Students simulate food service production.
Grades: 11, 12
Evansville

Contemporary Living: Parenting
Students investigate the foundations necessary for effective and successful parenting. Students reflect on their own childhood to better understand themselves and recognize the impact of childhood on maturity. Students study prenatal development and birth; discuss issues concerning parenting such as family violence, neglect, education and television programs; explore ways to accept and nurture exceptional children; observe and study the physical, mental, emotional and social development of children.
Grades: 10, 11, 12
Janesville: Craig, Parker

Fashion Careers
Students explore fashion careers by studying clothing areas. A classroom business may be established through designing products, making production plans and keeping records of business incomes/expenses. Students investigate the steps necessary to obtain a job in this field. Some of the careers to be explored: fashion merchandising, fabric design, dress design and displays. Students learn about merchandising and how consumers' needs are met; study elements and design principles to incorporate quality standards for a marketable product; apply principles and elements of design to make an appealing display; and design, produce, market and sell a product.
Grades: 9, 10, 11, 12
Janesville: Craig, Parker

Family & Consumer Education *(continued)*

Food Service Careers
Students experience lab activities in various types of food service businesses. Food preparation skills, as well as job skills and knowledge are acquired. Students participate in lab projects using assembly line and mass production, develop skill and knowledge in restaurant food production and service, study basic elements of hospitality and quantity food production, and figure standard recipe costs.
Grades: 10, 11, 12
Janesville: Craig, Parker

Housing Careers
Students explore housing careers by studying trends in housing and interior design. Students read blueprints and critique them by using interior design knowledge. They apply color and design principles to coordinate the furnishings of a home. They complete renderings, color washes and display boards. Students explore new trends in the housing industry, study basic color and design principles and how they make up a successful interior design plan and review fibers and fabrics with the emphasis on how they are used in furnishing a home.
Grades: 9, 10, 11, 12
Janesville: Craig, Parker

Health Occupations

Health Careers and Occupations
Students become aware of the more than 200 career opportunities in the health field. The personal requirements and training for each career will be investigated in the following areas: consumer health, community health, environmental health, accident prevention, mental/emotional health, prevention and control of diseases and substance abuse.
Grades: 10, 11, 12
Beloit: Memorial

Technology Education

Photography
Study of photography as a communication process. Students learn the fundamentals of photo communication, composition principles and use of photographic equipment. They develop skills by applying those fundamentals by exposing, processing and finishing photographs.
Grades: 11, 12
Beloit: Memorial

Graphic Communications I
Study of basic communication systems and the changing nature and impact of these systems. Students use the Macintosh to create well- designed note pads, business cards, T-shirts and posters, and print them by offset and screen printing methods. They finish, bind and package the printed products.
Grades: 10, 11, 12
Beloit: Memorial

Graphic Communications II
Advanced study of design and typography on the Macintosh to produce multi-color posters, booklets and independent projects and learning the printing processes of letterpress, flexography, gavure, electrostatic and offset printing. This course also includes the study of ink and paper and advanced binding.
Grades: 10, 11, 12
Beloit: Memorial

Industrial Technology 9
An exploratory course in communications, construction, manufacturing, and transportation. Experiences include the basics of drafting, computers, electronic communications; construction techniques, utility installation; safety, production work; transportation and energy systems.
Grades: 9
Beloit: Memorial

Telecommunications
Study of the radio and TV broadcasting industry, equipment and application to produce simulated programming. Topics: the study of video conferencing and the telephone and computer networking systems that make it possible.
Grades: 10, 11, 12
Beloit: Memorial

Manufacturing Technology
The student learns about the manufacturing process and mass produces several products during the course (clocks, furniture, toys, etc.). The class is activity-oriented and expects students to demonstrate what they learn through practical hands-on production of products.
Grades: 10, 11, 12
Beloit: Memorial

Engineering Materials Tech
Two semesters. Students study solids, metals, ceramics, polymers, and composite materials. Designed to actively involve students in a variety of labs applying many math, science, and communication skills.
Grades: 9, 10, 11, 12
Edgerton

Communication Systems
Students participate in learning activities that focus on audio and visual communication systems. Emphasis is on problem solving and practical application of graphic art and electronic communication principles. Students work with video, audio, desktop publishing, photography, CAD (Computer Aided Design) systems and screen printing. They learn about robotics, lasers, CD ROM, fiber optics, scanning, offset press production and A.V. slide production and presentation.
Grades: 10, 11, 12
Janesville: Craig, Parker

Communication Processes
An in-depth study of the areas in graphic and electronic communication. Students choose from a list of related activities. Choices include: audio/video, 35 mm photography, screen printing, offset press printing, CAD system, lasers, robotics, scanning desktop publishing, computer graphics, word processing, A.V. presentations, drafting, graphic layout and others.
Grades: 11, 12
Janesville: Craig, Parker

Chippewa Valley Technical College

School-to-Work * Chippewa Valley

Agriculture Education

Forestry
The study of forest management, conservation, and resource management. Topics: careers, tree identification, forest products, site selection, disease and insect control, harvesting procedures, equipment and safety practices, multiple use of forests, forest laws and practices, wildlife management, conservation and wise use of natural resources. Activities: field trip to the school forest, the County Forester speaks on forest management practices, safe use of a chain-saw and other management practices, proper planting methods, tree identification, planning multiple use of forestry methods, and estimation of board feet of lumber in standing timber.
Grades: 10, 11, 12
Chippewa Falls

Natural Resources Management
Integrated with computer technology. Topics: careers, historical background, definitions, multiple use of natural resources, ecology, wildlife management, and water resources. Unit on taxidermy.
Grades: 10, 11, 12
Chippewa Falls

Business Education

Applied Communications
The classroom simulates a workplace environment. Students are expected to demonstrate workplace professionalism. As a result, they will be graded on respect, patience, and helpfulness each day. Students work in teams to accomplish various projects in the school and community. Units of study include personality type; problem-solving skills; technical writing and reading; listening; career exploration, which includes preparing a career brochure, writing a resume, interviewing, and job shadowing; and ethical issues, including sexual harassment in the workplace.
Grades: 11, 12
Altoona

English Preparation for the 21st Century
The course builds the reading, writing, speaking, listening, and critical thinking skills necessary for careers and post-secondary education in technological fields. Students practice professional communication and research. In addition, they learn about values and decision-making styles by reading and responding to literature from the Industrial Age to the Information Age.
Grades: 12
Eau Claire: North, Memorial

Business Education *(continued)*

International Business
Students gain an understanding of the importance of the integration of culture, language, business concepts, and economic principles by completing an exporting project. Topics are: international advertising, finance, distribution, communications, careers, geography and packaging. Team taught by Business Education and Foreign Language Departments.
Grades: 10, 11, 12
Eau Claire: North, Memorial

Senior Social Economics
A team taught course in which students develop business plans for a practical approach to entrepreneurship.
Grades: 12
Eleva-Strum

Family & Consumer Education

Food Science
Designed to help students understand the chemical and biological principles of food. Through hands-on lab experiences and discussions, students examine production, processing, preparation, evaluation and utilization of food. In addition, content includes food preservation, safety, nutrition and careers. Team-taught by Agriscience, Science, and Family/Consumer Education Departments.
Grades: 11, 12
Eau Claire: North, Memorial

Keyboarding Computer Application and Integration
Team taught by Business Education and the Computer Departments. Students are given instruction in word processing, computer presentation software and use of the Internet. Second semester the students create a multimedia science report which demonstrates their newly acquired skills.
Grades: 9
Elmwood

Health Occupations

Certified Nursing Assistant Training
Chippewa Valley Technical College in cooperation with Victory Medical Center offers this course. Students have 40 hours of classroom instruction in a video format and 80 hours of clinical experience. Units: basic anatomy and physiology, nursing care procedures, bathing, bed making, grooming, dressing, taking vital signs, patient safety, assisting in transfer, communicating with patients,, monitoring patients' nutritional and elimination needs, and ethical and legal considerations. Evaluation is based on test results and demonstration of competencies necessary to perform the job of nurse's aide. Upon successful completion of the course and being hired, tuition is refundable.
Grades: 10, 11, 12
Stanley-Boyd

Technology Education

TV Production
Provides Technology Ed. and English credit. Students write and produce news for television. Students cover news and sporting events for the high school by doing interviews. They learn to script the news for audio and visual production, work as news anchors, operate cameras to record, and learn to edit their stories. They produce short news packages for Chi-Hi Happenings, a fifteen minute TV show aired once a week on Public Access Channel 22, and for in-school study halls. Emphasizes student production.
Grades: 11, 12
Chippewa Falls

Fox Valley Technical College

Fox Valley School-to-Work / Tech Prep Consortium

Business Education

Communications for the 21st Century
Students interact effectively on a one to one basis and in groups to achieve their personal and career goals. Through simulations and other activities, students learn to provide feedback to co-workers, customers, clients, and supervisors in teamwork, decision making, and problem solving. Students also learn how to gather and present relevant information to an audience through the use of visual and vocal skills.
Grades: 11, 12
Clintonville

Business Administration
One year. Students develop an overall understanding of business, entrepreneurship, finance, economics, marketing, human resources, and management. They create a portfolio which combines all of these areas. Students evaluate their own work as well as the work of others.
Grades: 11, 12
Kaukauna

Applied Communications with Computers
Integrates English and Business Education Departments. Students learn to express themselves through business related writing, speaking, reading, viewing and listening activities.
Grades: 11, 12
Menasha

International Business
One trimester. Study of monetary exchange rates, exports and imports, international agreements, trade, career exploration, etiquette, stereotypes, nonverbal communication, the role of women in the culture, and table manners.
Grades: 10, 11, 12
Neenah

Business & Technical Writing
Emphasis is placed on effective reading, writing, and communication.
Grades: 11, 12
Wautoma

Family & Consumer Education

Fashion Merchandising and Design
Students explore the many careers in fashion. Focus is on the business of fashion, domestic and foreign markets, and the impact of technology on each level of fashion. Guest speakers share their careers in fashion and merchandising. Students tour a major retail store.
Grades: 9, 10, 11, 12
Clintonville

Family & Consumer Education *(continued)*

Introduction to Food Service
Students develop skills and techniques in human relations, employability, and career development. Throughout the course students become more knowledgeable about occupations in management, production and service in instructional, commercial, and self-owned food establishments of other food industries. A major project is to create a food promotion sale and carry out the sale. Students tour some major food industry businesses and learn first hand about the operations. Work experiences require participation outside the classroom.
Grades: 9, 10, 11, 12
Clintonville

Careers in Health
Students explore career opportunities in the health care industry. Topics: educational requirements, desired personal characteristics, career advancement and employment opportunities. Students learn commonly used medical terms and abbreviations. Activities include guest speakers, area tours of medical sites, interviews and/or job shadow experiences. The course is a prerequisite for co-op placement in the health field.
Grades: 9, 10, 11, 12
Kaukauna

Marketing Education

Free Enterprise
One semester. Designed to coordinate skills associated with technology and economics. Students form a corporation, develop a product and sell it to the public.
Grades: 11, 12
Marion

Technology Education

Computer Integrated Physics
Applies physics theory, science, and technology application.
Grades: 11, 12
Appleton: East, North, West

Electronic Systems - Analog & Digital
Design and operation of common circuit systems including audio systems, television, radio, and modulation systems. Consumer information, digital fundamentals (logic gates, counters, adders, registers), computers and microprocessor fundamentals.
Grades: 12
Kaukauna

Multimedia
Students create and maintain web pages on the WHS website. Students integrate graphics, information and links to resources on these pages and work with staff in each department as they create the pages.
Grades: 10, 11, 12
Waupaca

Technology Education *(continued)*

Principles of Physics
Using the CORD materials as a base to provide applied approach to physics.
Grades: 10, 11, 12
Winneconne

Science

Agriscience Plants and You
Identification, harvesting procedures and proper management of trees are studied. Students are in charge of the care and development of the apple orchard. Focuses on wildlife habitats and management techniques along with introductory taxidermy.
Grades:
Big Foot

Gateway Technical College

Gateway School-to-Work Consortium

Agriculture Education

Conservation and Natural Resources
Designed to acquaint students with the skills and knowledge needed by workers in the areas of conservation and natural resources. Focus: resource conservation, forestry management, land management, environmental concerns, and wildlife management. Emphasizes management principles and practices and career and educational opportunities.
Grades: 9, 10, 11
Burlington

Business Education

Work Experience Classroom
First semester course in conjunction with the Work Experience-Job Site opportunity. Students learn about the transition from school to work, and explore various occupational fields in which they have high interest. Course material will range from creating a career portfolio and resume to strategies for maintaining employment, legal issues and record keeping/personal finances. The teacher schedules periodic meetings with class members.
Grades: 11, 12
Big Foot

Family & Consumer Education

Exploring Cultures Through Food
Foreign and regional cookery is studied. Students learn how to use specialty foods and cookware. Appreciation of the history, customs, and people is integral to the class.
Grades: 9, 10, 11, 12
Burlington

Language Arts

Communications
The curriculum is built on three strands: business English, classic literature, and information processing. Students learn the basics of desktop publishing and Internet researching, as well as proper business format for correspondence within a business. The modules of study include Workplace Communication, Technical Writing, Technical Reading, and Information in the Workplace from the Communication 2000 curriculum. Students begin to develop a resume and practice writing cover letters. Finally, students study how to work effectively on a team.
Grades: 9
Kenosha: Lakeview Technology

Math

Math Connections I and II
Designed jointly with local engineers to incorporate more probability and statistics concepts.
Grades: 9, 10
Delavan-Darien

Effective Communication
Course uses a laboratory method whereby students reinforce reading, writing, listening and speaking skills.
Grades:
Kenosha: Tremper, Bradford

Other

Seminar

The three-part curriculum consists of: career portfolios, organization of educational records, tests and assessments, awards and recognition, employment and community experiences, and future planning information. *LifeWorks: A Transition Program for High School Students, Book 1 - Understanding Yourself* and COPSystem - Career Occupational Preference System is used as a foundation for portfolio development. In adventure learning activities, students learn to trust each other and develop problem-solving and teamwork skills. Resources for adventure learning activities include Silver Bullets and QuickSilver. School management projects include public relations, recycling, building upkeep and decor, school rules, and funding the adventure learning activities for next year. Students act as receptionists and tour guides, write school news for the Kenosha News, set up and maintain a recycling program, organize a cleaning schedule and properly maintain the building, discuss and suggest changes for school rules, and write grants and business letters for fund-raising purposes.
Grades: 9
Kenosha: Lakeview Technology

Social Science

Entrepreneurship/Economics

Team taught by Social Studies and Technology Education Departments. Teaches business plans and helps students develop a product to sell.
Grades: 11
East Troy

Technology Education

Technology I
Introduces students to futuristic technology. Students spend ten days in each of seventeen learning modules. Module topics: robotics, technology tomorrow, small gas engines, desktop publishing, basic drafting, CAD drafting, materials processes, aerospace, CNC millings, hyper-card audio-visual production, hydraulics, pneumatics, applied physics, electronics, research and development and engineering. Each student teams with a partner in the Technology Center.
Grades: 9, 10, 11, 12
Big Foot

Technology II
Taught in the Technology Center, students spend fifteen days in each of the twelve learning modules. Modules are: telecommunications, plastics, computer animation, digital photography, T-shirt design, research and design, robotics, CNC wood lathe, CAD, CNC metal lathe, desktop publishing.
Grades: 10, 11, 12
Big Foot

Technology III
Students concentrate on six modules: computer problem solving, quality control, satellite communications, video editing, programmable logic control, and electronic vehicles. Students form small corporations and entrepreneurs. In this instance a product must be created, researched, developed, prototyped, produced, advertised, and marketed.
Grades: 11, 12
Big Foot

Technology IV
Students use the concepts of problem solving, concurrent engineering, modeling, ethics, optimization, systems design, and technology/society interactions. The course is an integrative hands-on laboratory-based class that shows students the important concepts involved with engineering while working on real life case studies. Major products include building emergency shelters, wind farms, solar cars, and an ergonomically sound chair.
Grades: 12
Big Foot

Architectural Drafting and Design I
Designed for students who have an interest in the building or related trades. Content includes a study of design concepts, fundamentals of architectural drawing, home planning, and building details. The student designs and draws a set of plans for a small single family residence. Drawings and specifications include floor plans, wall and building sections, structural calculations, plot plans, elevations and pictorial representation. Computer aided drafting using the Data CAD architectural program is employed.
Grades: 11, 12
Burlington

Architectural Drafting and Design II
Advanced course-work including site development and orientation, technical rendering, building codes, energy conservation techniques, financing and purchasing, commercial design and construction, and commercial print reading.
Grades: 12
Burlington

Technology Education *(continued)*

Production Drafting II
Advanced course work includes the principles of detail and assembly drawings, principles of tolerancing, welding, drawing, and advanced pattern developments. Culminating project is a complete set of working drawings for a machine or tool design.
Grades:
Burlington

Exploratory Science and Technology
A modular technology education program that combines interactive multimedia computer-based instruction with high quality training equipment. Each module guides students through an input-process-output-feedback system that covers the five clusters of technology, communication, transportation, manufacturing, construction, and bio-related systems. The Lab-Volt modules incorporate into its multilevel curriculum the critical skills of teamwork, decision making, critical thinking, logical reasoning, trouble shooting, problem solving, independent research, and career exploration. Concepts include: aerodynamics, alternative energy, applied physics, artificial intelligence, computer software applications, controls and sensors, CNC Lathe/Mill, engineering stress analysis, video production and editing, virtual reality, and weather satellites and meteorology.
Grades: 9
Kenosha: Lakeview Technology

Science Technology
Students prepare to enter employment or obtain further education in technical careers. They are involved with computer technology, fluids, electrical and thermal principles. The courses are lab-oriented and team taught by Science and Technology Education Departments.
Grades: 10, 11, 12
Kenosha: Tremper

Lakeshore Technical College

Lakeshore Area School-to-Work Consortium

Business Education

Career Communications 2
The emphasis is on helping students discover and develop their career strengths. Students explore careers they are interested in to help them make informed choices about how to prepare for the world of work. Field trips give students a chance to look more closely at area businesses and post-secondary educational opportunities.
Grades: 11, 12
Manitowoc: Lincoln

Career Communications 1
Two-hour block each semester. Designed to provide students with communication experiences related to the world of work. Assignments include resumes, business style letters, job forms, and the creation of other types of communications such as brochures. To aid in career exploration, there are field trips to agencies that offer job services, area businesses and technical schools. Speakers from a variety of careers visit. Students use WordPerfect software and other programs to produce writing with a professional appearance. Assessment focuses on student projects and demonstration of learning. Team taught by the Business Education and English Departments.
Grades: 11, 12
Manitowoc: Lincoln

International Business
Examines the integration of language, culture, and business principles and the key roles they play in international business. Students analyze the exciting relationship between international business and American businesses, communities, and employees. Team taught by Business Education and Foreign Language Departments.
Grades:
Manitowoc: Lincoln

Language Arts

Multimedia Communications
One year. Study of modern communications. Students are introduced to computers, photography, audio, video, and graphics equipment. Integrates art, industrial technology, and communication arts through the use of modern technologies. Students learn problem solving skills.
Grades: 10, 11, 12
Manitowoc: Lincoln

Multimedia Communications 2
Advanced studies in audio and/or video production, photography, graphics, and the use of various computer software. Opportunities available to participate in a work experience or a self-proposed project.
Grades: 11, 12
Manitowoc: Lincoln

Social Science

Principles of Economics
Applied economics through Junior Achievement is incorporated into this course. Students do stock market activities, write business plans, and actually market a product.
Grades: 12
Cedar Grove-Belgium

American Government
Second semester, junior achievement is taught with an area businessperson.
Grades: 12
Oostburg

Technology Education

Technical Reading & Writing
Semester course. Focuses on learning to understand technical manuals and writing in business communication. Uses material from technical courses to show need for these skills.
Grades: 11, 12
Mishicot

Geometry & Applied Tech
Has been developed to show students the connection between the courses and how to apply the knowledge and theory of geometry to a construction unit.
Grades: 11, 12
Mishicot

Madison Area Technical College

Madison Area Technical College Tech Prep / School-to Work Consortium

Agriculture Education

Agriculture Applications
Designed to give students a more in-depth look at the scientific and technological aspects of the agriculture industry. Focuses on advanced animal science, advanced plant science, and the science of food production and processing.
Grades: 11, 12
Fort Atkinson

Plant Science
Covers the basic skills needed by a student interested in a career related to horticulture. Units include: careers, plant growth, ornamental plants, trees, and landscape design.
Grades: 10, 11, 12
Fort Atkinson

Landscaping
Students study art and science skills and ideas to develop competencies for vocational and avocational landscaping.
Grades: 10, 11, 12
Jefferson

Agriscience/Biology
Two hour block. Biology and Agriscience form a partnership. Through the study of biology and agri-technologies, students understand genetics, molecular biology, life processes, fermentation, animal behavior, natural resources, plant and animal sciences, horticulture, and ecology. Students are involved in lab work, group discussions, lectures, and student projects. Credit can be used for Life Science or Agriscience.
Grades: 9, 10, 11, 12
Watertown

Environmental Conservation
The study of major concerns affecting our environment. Units: conservation philosophy, wildlife management, water quality, air pollution, soil and energy conservation, waste management, aquaculture and careers in conservation.
Grades: 10, 11, 12
Watertown

Independent Study
All academic and vocational courses can be individualized to the students' needs. Either the student is beyond our curriculum or wants to go into depth more in a specific area. Most independent studies require a career component and a job shadow.
Grades:
Watertown

Environmental Science II
Students learn about water and soil through team teaching of Science and Agriculture.
Grades: 10, 11, 12
Wisconsin Dells

Natural Resources of Wisconsin
One semester, 2 class periods/day. Outdoor, field experience class. Students learn about Wisconsin's various natural resources, with special emphasis on those found locally. Special projects involving construction, maintenance, and development of the Outdoor Learning Area will also be done.
Grades: 11, 12
Wonewoc-Center

Business Education

Business Management/Entrepreneurship
One semester. Students study the basic concepts of management and the characteristics, organization and operation of business. A general overview is provided of forms of ownership, personnel management, trends in policies, procedures, and philosophies of business management, decision making, and public and human relations.
Grades: 11, 12
Fort Atkinson

Employability Skills
One semester. Students define their lifestyle and career goals through a self-evaluation process. They research careers which they feel suit them, and then use their language arts skills to "sell themselves" to a prospective employer.
Grades: 11, 12
Fort Atkinson

Document Processing
One-year. Students master formatting skills and create documents for personal and business use. They incorporate language arts in original composition work and in document creation in general. They also are required to make decisions as to which type of document is best for their purpose.
Grades: 9, 10, 11, 12
Fort Atkinson

Information Age Composition
Activities include exercises in business etiquette, particularized writing styles, grammar, development of leadership skills, writing the research paper, and the incorporation of technological skills. Students apply research and problem solving skills in the production of a resume, research paper, press release, sales presentation, and other business related projects.
Grades: 11, 12
McFarland

Communication Arts
Designed to integrate English skills with technological skills. Students refine writing, speaking, and listening as they apply to the workplace.
Grades: 11, 12
Monona Grove

Writing and Communication
Focuses on writing reports, correspondence, research papers, and proposals. Professional writing styles are taught using multi-media software.
Grades: 11, 12
Sauk Prairie

Business Technology
Microcomputers are used to learn Wordperfect 6.0 and LOTUS 1-2-3. Other topics covered: records management, human relationships, business math, data entry activities, financial records, communication skills, getting a job, machine transcription, and a simulation of a business. A student can be placed in a local business for 1-2 hours per day.
Grades: 12
Waterloo

Business Education *(continued)*

Career Workshop
Team taught by English and Business Ed. Departments. Emphasizes career exploration and work readiness skills. Students create a professional portfolio meeting both grammar and business criteria, then follow up with a formal interview with area employers.
Grades: 9, 10, 11
Waunakee

English for Business
One semester course for students planning to go to college and eventually enter the world of business as an upper level manager. The course applies persuasive, descriptive, reflective, personal, and process essays to business world writings. Emphasizes strong writing skills and introduces students to a variety of complex business writings such as feasibility and analytical reports.
Grades: 11, 12
Waunakee

Family & Consumer Education

Science of Food
The study of the chemical and biological principles of food.
Grades: 10, 11, 12
DeForest

Advanced Science Foods Emphasis
Students examine food production, processing, consumption, and analysis using principles of organic chemistry and biochemistry. Students recognize the practical application of science to food and the food industry through hands on labs and discussion.
Grades: 11, 12
Westfield

Culinary Trades/Co-op
Students run a catering business within the classroom. They also cater certain events through the school. Within one unit, the students work with Spanish IV students to create a Spanish Restaurant.
Grades: 11, 12
Wisconsin Dells

International Foods
Students study foods and customs of China, Sweden, Mexico, Finland, Denmark, Italy, France, Germany and Greece.
Grades: 9, 10, 11, 12
Wonewoc-Center

Family and Consumer Services
Students learn the basics of Interior Design, Clothing Design, and Day Care Services. Students participate in a number of hands on projects.
Grades: 9, 10, 11, 12
Wonewoc-Center

Food Service
Students learn the world of food service occupations. This class deals with mass food production, managerial skills, and food service worker skills. Students run a mock restaurant.
Grades: 9, 10, 11, 12
Wonewoc-Center

Health Occupations

Intro to Health Occupations
Provides background on jobs and job placement in the health care field. Includes hands-on learning and practice in basic health care skills.
Grades: 11, 12
Jefferson

Health Occupations/First Aid/CPR
Students become familiar with over 200 career opportunities in the health field. Students also learn about the different types of services and the numerous health facilities/agencies. Students job shadow and take field trips. Students recognize emergencies and make appropriate decisions for first aid care. Teaches the first aid skills a person needs in order to act as the first link in the emergency medical services system.
Grades: 10, 11, 12
Wonewoc-Center

Language Arts

Applied English
One year. Team taught by English and Tech Ed. Departments. Students gain skills in communication by speaking, writing, and video production. The final project is a video with a student written script and group production that promotes a product or local industry.
Grades:
Reedsburg: Webb

Math

Integrated Math I & II
Uses the University of Chicago School Math project materials which promote an integrated curriculum, focusing on problem solving and real world applications. The pace of this instruction allows students to engage in hands-on activities and investigate application of concepts.
Grades: 9, 10, 11, 12
Waunakee

Other

MATC Intro to Lithography (Graphic Arts)
Introduction to the basic operation of offset sheet fed lithographic process. Students assemble and assist in printing simple jobs. Major objectives are: overview of basic operations in lithographic reproduction from copy preparation through finishing and instruction of students in safety techniques in a production setting.
Grades: 10, 11, 12
Waunakee

Education for Employment
Students learn employability skills, job hunting techniques, resumes, and letters of application. Required to graduate.
Grades: 11
Wonewoc-Center

Technology Education

Video Journalism
A video production class where students build work related skills, develop, produce, and air video productions for cable access. Course objectives include organizational skills, script writing abilities, problem solving, ability to work within a group and experience "real world" activities such as independent work, keeping schedules and meeting deadlines. Technical writing skills are stressed.
Grades: 11, 12
Cambridge

Communications and Transportation Technology
One semester. Students receive experience in electricity, electronics, CAD, desktop publishing, design, simple machines, engine fundamentals and engine applications.
Grades: 9, 10, 11, 12
Jefferson

Electronic Communications
One semester. Electronic circuit construction and theory with a component on video production techniques and experience.
Grades: 10, 11, 12
Jefferson

Outdoor Technologies
One semester. Students gain experience in manufacturing, communications, transportation, and construction. Outdoor theme which covers environmental and ecological issues.
Grades: 9, 10, 11, 12
Jefferson

Advanced Tooling Technologies
One semester course in advanced machining techniques and managing of machining operations and equipment.
Grades: 11, 12
Jefferson

Construction Materials
An enterprise-type class where the students set up a company, develop a product, make the product and sell it to the public.
Grades: 11, 12
Jefferson

Manufacturing and Construction Technology
One semester. Students gain experience in the manufacturing process and construction techniques.
Grades: 9, 10, 11, 12
Jefferson

Technology Education *(continued)*

Graphic Communications

Activities: exploration of photography, audio/video generation, computer design, duplicating, and different forms of printing images and text. Desktop publishing and the preparation of page layout highlight this course.
Grades: 9, 10, 11, 12
Johnson Creek

Science Technology

Team taught by Science and Tech Ed. Departments. Students explore physical laws within the context of mechanical, fluid, electrical, and thermal systems. The scientific method, with emphasis on observation, experimentation and recordkeeping is used.
Grades: 9
Johnson Creek

Communication Technology

Students explore computer design, duplicating, audio-video generation, and image manipulation. Students learn various layout techniques through an assortment of drawings. Student projects on each unit highlight the course.
Grades: 11, 12
Johnson Creek

Materials Science

Designing, choosing, testing and using materials such as metals, plastics, and woods. Students apply science and technology skills through hands-on activities.
Grades: 10, 11, 12
Madison: West

Applied Communications

Video journalism combines the content of speech and English classes with video production skills taught by the Technology Ed. Department. The objective is to apply English to a real-life situation - the production of a news journalism show. Students write, edit, and produce video stories and other features such as editorials and commercials.
Grades: 10, 11, 12
Pardeeville

Newspaper Production

Study the history and principles of journalism in relation to publishing rights, restrictions and responsibilities of school publications. Students are given instruction in writing for a newspaper. They learn about different types of writing such as news, feature, headline, editorial and caption. Editing and proofreading are emphasized. An introduction to layout, design, typography, art, photography and desktop publishing are also covered. This course produces the school newspaper.
Grades: 11, 12
Watertown

Advanced Newspaper Production

Continued instruction in newspaper writing with managerial and editor positions. Advanced layout design, typography, art, photography and desktop publishing included. Newspaper advertising and marketing are also covered. This course produces the school newspaper.
Grades: 11, 12
Watertown

Technology Education *(continued)*

Photoshop
Social Studies and Art Departments. Students gain the latest in Photoshop. Offered as a 97-98 school year pilot. Students voluntarily attended this before-school course.
Grades: 11, 12
Waunakee

Applied Communications
One semester. Team taught. The methodology uses cooperative learning to teach oral and written communication. Students develop and refine job-related communication skills through the use of current technologies such as video, audio and audio-visual.
Grades: 12
Westfield

SIMaT - Integrated Science, Math and Technology
Combines the natural world of science with applied world of technology. Students research, study and apply basic scientific, math and technological principles through minds-on/hands-on experiential learning activities. Students use technology, science and math to solve real world problems beginning with basic applications and concepts and advancing to authentic assessed group problem solving.
Grades: 9
Westfield

Building Trade
Students design, build, landscape, and decorate the exterior and interior of a house. The house is then sold in the community.
Grades: 11, 12
Wisconsin Dells

Mid-State Technical College

Mid-Wisconsin School-to-Work Partnership

Agriculture Education

Biology/Horticulture
A Plant Science course team taught by Agriculture Ed. and Biology Departments utilizing green house plants grown for sale as the laboratory.
Grades: 10
Adams-Friendship

Agriculture/Biology
Through the study of biology and agriculture-technology, students learn about genetics, molecular biology, life processes, fermentation, animal behavior, natural resources, plant and animal science, horticulture, and ecology. Students are involved in lab work, lectures, group discussions and student projects. One or two hour block.
Grades: 10, 11, 12
Stevens Point

Business Education

Business Communications
Designed to develop writing, speaking, listening and other human relations skills. Developed jointly by the Business Ed. and English Departments.
Grades: 11, 12
Adams-Friendship

Applied Communications
Activities center on communication skills for the workplace: technical writing, reading technical materials, speaking and listening on the job and producing materials with technology.
Grades: 12
Almond-Bancroft

Business Communications
Team taught by Business and Communication Arts Departments with emphasis on oral communication skills and portfolio development.
Grades: 10, 11, 12
Marshfield

Written Communication
Students research, write and create articles, newsletters, pamphlets and reports for promoting a service business using techniques of the writing process and computer graphics.
Grades: 11, 12
Stevens Point

Business Education *(continued)*

Communication Theory
Taught by the English and Business Ed. Departments. All language arts skills are emphasized: reading, writing, speaking and listening. Students become proficient in the areas of interpersonal and professional skills. Units include: communicating with supervisors/co-workers, participating in group activities, following and giving directions and presenting one's point of view. Intended to recognize a variety of learning styles, especially students who are motivated by hands-on instruction. Students develop an employment portfolio which includes an application blank, cover letter, and interview evaluation.
Grades: 10, 11, 12
Stevens Point

Family & Consumer Education

Applied Biology
A thematic approach to biology with emphasis on four major topic areas: nutrition and wellness, continuity of life, diversity of life, and natural resources and ecology. The course includes labs, lecture, problem solving, small and large group activities, guest experts and field work.
Grades: 9, 10, 11, 12
Almond-Bancroft

Foods/Biology
Students gain knowledge about the body and its relationship to food. Investigates the body's requirements for food, energy and nutrients. Develops a greater understanding of the body's organs and functions relating to nutrition, health and fitness. Additional units: plant and animal production of food, its safety, structure and preservation, food handling and preparation. Course work is completed through lab investigation, food preparation labs, discussion, guest speakers and field trips.
Grades: 10, 11, 12
Stevens Point

Psychology of Parenting
Designed to critically examine the issues that surround changes in the family and how those changes impact children. Emphasis is placed on enhancement of parent/child bonding and strengthening the roles and responsibilities of the parent. A prospective parent needs to learn what a family structure is and what family obligations are that will be supportive to effective child rearing, what legal and social expectations exist in regards to child support, and how to improve upon the job skills associated with parenting.
Grades: 11, 12
Stevens Point

Milwaukee Area Technical College

Milwaukee Area Technical College / K-12 School District Consortium

Business Education

Grammar and Writing
Grammar and writing mechanics used in letter writing, applications, resumes, and outlines.
Grades: 11, 12
Greendale

Investing/Finance
Teaches how to gather and understand information needed to make investment decisions. Starts students on the road to financial security and becoming at ease in the financial world. Students explore and analyze stocks, bonds, mutual funds, IRA and TSA investments, and Customer Stock Option Plans. Employee rights and responsibilities (taxes, bank statements), risk management (property, health, and life insurance), advantages and disadvantages of credit, and rights and responsibilities of the young adult also are covered. Students participate in the Journal/Sentinel Stock Market Investment Competition. Field trips to the Chicago Board of Trade and Mercantile Exchange.
Grades: 9, 10, 11, 12
Greendale

Career Explorations
Carl Perkins Integrated Team: Language Arts, Business, and Dance.
Grades: 9
Milwaukee: Arts

Broadcasting
One year--2-hour block that produces morning announcements and videos for community agencies.
Grades:
Milwaukee: Marshall

English 9
Carl Perkins family of the four basic academics uses the integrated studies approach together with Trade and Tech Survey of Auto Tech 9.
Grades: 9
Milwaukee: Pulaski

Business Careers
Team taught with Mathematics Department for 18 weeks. During the team taught portion students apply mathematics to business situations. This represents the classroom portion of the business careers internship.
Grades: 12
Milwaukee: South Division

Allied/Health and Human Services
Integrated subjects, block schedule, common planning promote cooperative, applied authentic tasks. Includes "All aspects of industry". Students work closely with community, business and industry.
Grades: 9, 10
Milwaukee: South Division

Citizenship
Part of the Marketing Technology family.
Grades: 9
Milwaukee: Washington

Business Education *(continued)*

Marketing Ed. 1
The Marketing Technology family prepares students for financial independence through the creation and organization of small businesses and by learning marketing and social studies concepts for a variety of postsecondary and employment opportunities. Technology is used to research and solve real-life problems, to create and share ideas and to acquire and manage resources.
Grades: 9
Milwaukee: Washington

Careers
Nine week course, team taught. Students gain an understanding of the meaning of a positive work ethic. This knowledge is applied to the creation of a product or service through the development of their own company. Students determine a future plan that meets their personal career goals.
Grades: 10
South Milwaukee

International Business
Gain an understanding of the importance of the integration of cultures, language, business concepts and knowledge and cultural differences. Will increase awareness of how students are affected by international business both as a participant in the American community and as a potential employee in the global environment.
Grades:
West Allis: Central

Family & Consumer Education

Nursing Assistant
Prepares students for careers in health care. Instruction has science background and focuses on passing the Wisconsin Certified Nursing Assistant (CNA) exam. Registered nurses supervise the on-the-job training.
Grades: 10, 11, 12
Cudahy

Food Science I and II
Taught by Science and F/CE Departments. Students learn the scientific principles behind food content and preparation. The foods and science labs are used to conduct experiments.
Grades: 10, 11, 12
Greenfield

Nutrition and Health Management
One year. Applied laboratory course demands intensive performance integrating nutrition and exercise. Team taught with the Mathematics Department for 18 weeks at which time students complete a math project around nutrition and physical fitness. This project is included in the students' math portfolios.
Grades: 12
Milwaukee: South Division

Food Sanitation and Management
One year. Designed to integrate math and science skills with food preparation in a commercial food laboratory. Team taught with Mathematics Department for 18 weeks. During the team taught portion students complete a math project around food sanitation. Should be included in their math portfolio.
Grades: 11
Milwaukee: South Division

Geometry
The Health and Wellness family is designed to acquaint students with the wide array of health service careers. Students develop skills in problem solving, critical thinking, communication and successful workplace habits. Problem based learning and performance assessment are components of this family. Instruction/curriculum is designed and delivered through integrated thematic units.
Grades: 10
Milwaukee: Washington

Biology
Part of the Health and Wellness family. Students develop skills in problem solving, critical thinking, communication and successful workplace habits. Curriculum is designed and delivered through integrated thematic units.
Grades: 10
Milwaukee: Washington

Medical/Insurance Records
Part of the Health and Wellness family.
Grades: 10
Milwaukee: Washington

Intro to Health Occupations
Part of the Health and Wellness family.
Grades: 9
Milwaukee: Washington

Family and Community Service
Students apply concepts such as work ethic, workplace safety, communication skills, free enterprise, quality and leadership to their understanding of themselves and the workplace. Projects include writing a business plan and setting up an entrepreneurship, developing a portfolio, creating a multi-media presentation to communicate the components of co-op education and how to access and planning and carrying out a service learning project through which they develop and demonstrate leadership qualities. The students are involved in cooperative education placements in childcare, health care, food service, customer service, fashion, and interior design.
Grades: 11, 12
South Milwaukee

Family & Consumer Education *(continued)*

Nursing Assistant
One semester, team taught with an RN, leads to certification as a nurisng assistant. Students acquire and review knowledge and skills and apply them to specific nursing skills. Communicating with health care clients through classroom simulations and clinical practice in health care facilities offers practical application of communication and interpersonal skills. Students learn to chart cases. Students review body systems, assist with feeding and elimination, learn about bathing and skin care, restorative care and assessing vital signs. They learn to communicate with and assist clients with Alzheimer's disease and other dementias. Students apply, measure and record intake and output and translate ounces into cubic centimeters. They use graphing skills in recording vital signs. These skills are learned and practiced in the classroom, laboratory and in clinical work at a health care facility.
Grades: 11, 12
South Milwaukee

Early Brain Research Project
Students study new research in brain development. Labs are used to apply this information. In Family and Consumer Education, students plan curiosity corners and other play experiences that devleop intellectual skills.
Grades: 11, 12
South Milwaukee

Life and Career Planning
One semester class. Through written work and oral presentations students gain an understanding of the meaning of a positive work ethic and demonstrate an understanding of problem solving within the work place. Prioritizing and setting goals, the steps of problem solving, budgeting, and decision making are applied in the making of a career/lifestyle portfolio.
Grades: 9, 10, 11, 12
South Milwaukee

Gourmet Chef
Students apply and integrate skills and knowledge as they study food from a variety of perspectives. A career component is emphasized, with students using observation and interview skills in a variety of food related site tours. Math knowledge is a part of each lab plan, with quantity cooking requiring quality and quantity control as well as recipe adjustment. Science is involved when students study chemical reactions occuring in food preparation. Students demonstrate health and nutrition knowledge when they plan menus. Social skills are emphasized in the customer relations study. Students demonstrate knowledge by implementing catering projects for various groups.
Grades:
South Milwaukee

Fashion Merchandising
One semester. Students integrate written and oral reports on the history of fashion; show how historical events effect foreign markets, the U.S. economy, and impact fashion and the fashion cycle. Students gain an understanding and apply (with the use of technology and a variety of media) the interaction of colors, the social messages clothing reveals, and the chemistry of fibers and finishes. The elements and principles of design are used in the construction of a portfolio that enables students to plan and assess their wardrobe needs, which can then be applied to future clients and careers.
Grades: 9, 10, 11, 12
South Milwaukee

Applied Biology/Chemistry
Provides students with the basics needed for introduction to the Allied Health/Human Services area. Topics include: basic anatomy, and physiology, biochemistry, biotechnology, DNA cell processes, disease and wellness, life processes, micro-organisms, nutrition.
Grades:
West Allis: Central

Introduction to Health Careers
Provides students with information on a variety of careers in Allied Health/Human Services.
Grades:
West Allis: Central

Health Occupations

Medical Science Lab
Designed to teach human anatomy, physiology, and pathology to Allied health students.
Grades: 10
Milwaukee: North Division

English 10 Medical
Designed to link Allied Health and English with the health care skill standards and knowledge deemed desirable for health care workers. Assignments and projects are designed to apply and reinforce the knowledge and skills of research, communication, and critical thinking.
Grades: 10
Milwaukee: North Division

Health and Human Services
Students apply knowledge and skills to explore career opportunities in allied health, nursing, social service, and medicine. Students learn to communicate with health and human service clients and study medical terminology. They learn about the health care system, government agencies concerned with health, forms of healthcare insurance, and health care reform.
Grades: 11, 12
South Milwaukee

Marketing Education

Information Technology
Hands-on experience with technology and its applications to info systems. Emphasizes the effects of technology across various disciplines. Students work on real-life problems and situations.
Grades: 11, 12
Milwaukee: Rufus King

Other

Diversified Work Experience Employment and Class
Students investigate their desired lifestyle and the effect their career choice will have on it. Assessment of student goals, values, skills, and aptitudes and the information needed to make a good career choice. They receive opportunities to research careers via the Internet and *Career Visions*. The process enables them to plan for career success; investigate educational requirements, find, apply, and interview for a job; and learn job coping skills.
Grades: 12
Saint Francis

Technology Education

Architecture Design
One unit in trigonometry and surveying. Students work with industry representatives to survey work sites.
Grades: 11
Brown Deer

Manufacturing Production
Students learn safe procedures on all machines and develop set up and machining ability. Students practice problem solving. Accuracy and tolerances are of extreme importance. Students also learn computer work with the use of CNC mills and lathes.
Grades: 10, 11
Cudahy

Film and Television
Examines the technical side of film and television through hands-on studio experience. Students write and produce.
Grades: 9, 10, 11, 12
Cudahy

Integrated Physics
One semester. Team taught. Students learn to apply the laws of physics to the manufacturing industry.
Grades: 11, 12
Milwaukee: Custer

Technology Education *(continued)*

Graphics
One year--2-hour block in which students run a school-based business.
Grades: 11
Milwaukee: Marshall

Engineering Projects
One year, team taught with Mathematics for 18 weeks. During the team taught portion, students apply mathematics to extensive engineering projects. This is the classroom portion of the Manufacturing Projects Internship program.
Grades: 12
Milwaukee: South Division

Manufacturing Systems
Completely integrated subjects, block schedule, common planning to promote cooperative, applied authentic tasks. Includes "all aspects of industry". Works closely with community, business, industry and Milwaukee Area Technical College.
Grades: 10
Milwaukee: South Division

Algebra 9
The Engineering and Manufacturing family prepares students for careers in manufacturing and science. The curriculum provides hands-on training on graphic calculators, computers, computer-aided design and other machines that are currently used in industry. Students participate in project based activities that promote team building and cooperation. Videos, speakers, and site visits to industry expose students to a wide variety of career choices.
Grades: 9, 10
Milwaukee: Washington

Manufacturing Materials and Processes
Part of the Engineering and Manufacturing family.
Grades: 9, 10
Milwaukee: Washington

Applied Technology
Introduces specific knowledge about how mechanisms and forces of the world inter-relate.
Grades:
West Allis: Central

Moraine Park Technical College

Moraine Park Partnership

Business Education

Business Procedures
Course improves technology, communication, and problem solving skills. Students work with all aspects of Microsoft Office software.
Grades:
Chilton

International Business and Marketing
Team taught between Business and Foreign Language Departments. Gives the student a background in the global marketplace. Course includes: currency/metrics, customs, immigration, travel arrangements, time zones, international calling, cultural sensitivity, do's and taboo's geography, survival and courtesy expressions, importing and exporting, current events, and careers.
Grades: 11, 12
Hartford

Professional Presentations
The ability to think creatively and express ideas clearly is an important professional asset. Students learn techniques to help them produce and deliver effective and attractive presentations employing a variety of materials from blackboards to overheads, flip charts and computers. Students learn to use technology and other tools to enhance communications in specific areas of interest to them. Special attention is given to the five career clusters. Instruction in the use of various presentation tools, the development of presentation skills, and the production of group projects is basic to the course. Researching and organizing information to present as a speech, visual, multimedia, or written project is part of the focus.
Grades: 11, 12
Hartford

English 12a
Provides a communication-based entrepreneurial unit. The F/CE classes and Clothing I and II manufacture items that are sold in a student-run, small business. Also, the class works with Keyboarding to produce stationery to be sold in the school's small business.
Grades: 9, 10, 11, 12
Horicon

Vocational Skills
Designed for the work-bound student who wants to know how to get a good job. Areas include: things to examine before seeking employment, job hunting, the job interview, and how to keep a job once you've got it. Letters of application, resumes, follow-up letters, and other job related writing skills are studied in detail.
Grades: 11, 12
Princeton

Written Communications Word Processing Tech Prep
Combines the requirements of English and Business Ed. Through a variety of writing assignments, students analyze audience and purpose; research and organize ideas; and format and design documents based on subject matter and content. Students also learn the basic concepts of word processing.
Grades: 11, 12
West Bend: East

Business Education *(continued)*

International Business
Introduces students to concepts in the world's business market and the role of culture and language. Topics include: basic business concepts, careers in international business, world travel, advertising, currency, language phrases and international etiquette.
Grades: 11, 12
West Bend: East

Language Arts

Career Exploration
One unit in English 10 involves career exploration. Students attend a career fair and complete a speech project integrating a career.
Grades: 10
Horicon

Technology Education

Graphic Communication
Students develop printed materials using high production methods and equipment. They prepare a variety of multicolor products using technologies for both process screen printing and offset lithography methods of printing. Students develop an understanding of management concepts as applied to graphic communications.
Grades: 10, 11, 12
Chilton

Physics
Coordinates projects relevant to both Science and Tech Ed. Examples: Rube Goldberg Engineering contest and a bridge building contest. There are joint field trips integrating principles of physics and technology.
Grades: 12
Dodgeland

Mass Communication
One semester. Team taught. Students learn basic technical reading and writing through hands-on experience in five modules: Powerpoint, PageMaker, communication overview, audio/video, and video production. Students also learn platform, speech basics in voice and performance, poise and nonverbals.
Grades: 11, 12
Rosendale-Brandon: Laconia

Applied Technical Math A & B
Units: calculator skills, problem solving techniques, measurement, dealing w/data, ratios, algebra applications, quality control, computer skills, and machine control. Problems that apply math to technical situations are emphasized.
Grades: 11, 12
Waupun

Nicolet Area Technical College

Northwoods School-to-Work Consortium

Business Education

Computer Applications
Develops introductory skills using integrated software packages that include word processor, database, spreadsheet presentations and graphics. Other units include: desktop publishing, animation, Internet access and use, scanning of graphics and text, digital picture capture and careers.
Grades: 9, 10, 11, 12
Rhinelander

Model Office
Students participate in a business office simulation in a merchandising company. Creates the atmosphere of a typical business setting. Students experience different positions involved in the flow of work.
Grades: 11, 12
Rhinelander

Advanced Placement Programming
Designed to parallel an introductory college course, using PASCAL as a language. Topics include: methodology, input/output, decision structures, modularization, arrays, files, recursion and sorting.
Grades: 10, 11, 12
Rhinelander

Business Concepts
Introduces students to the realities of business i.e. working in actual jobs and selecting goods and services offered by businesses. A simulation is used where students act as managers, interacting with each other in a model business community.
Grades: 9, 10, 11, 12
Rhinelander

Employability Skills
Helps all students to gain the knowledge and skills necessary to make a successful transition from student to employee in the adult world. Topics covered include: work attitudes, employer expectations business manners, resume and interview skills, time management and dressing for success.
Grades: 10, 11, 12
Rhinelander

Family & Consumer Education

Housing Interior Design
Students are directly involved with the house constructed by the Building Trades class. Students observe the construction of the house. Topics covered: room design, furniture manufacturing and arrangement, window, wall and floor treatments, lighting, and kitchens. Field trips and guest speakers.
Grades: 9, 10, 11, 12
Rhinelander

Child Development
Observation of children from birth to five years. A week-long nursery school is also planned and carried out by the students. Field trips to a hospital and local day care centers. Discussion topics: a variety of behavioral problems, discipline, toy selection, and positive parenting skills.
Grades: 9, 10, 11, 12
Rhinelander

Family & Consumer Education *(continued)*

Food Service
Explores the possibilities of employment in the food service industry. Units cover meal planning, cost control, quantity cooking, safety and sanitation in production kitchens. Principles of food preparation, as they apply to the professional food industry, are used in lab experiences.
Grades: 10, 11, 12
Rhinelander

Independent Living
Designed for students who soon will be living on their own. Topics: achieving and maintaining independence through units on decision making - goal setting and communication; housing - choices and legal issues; careers, resumes, cover letters, and job interview skills; finances- budgets, checking and savings accounts, investments, and credit; wellness - physical and emotional. Class activities include group projects and speakers.
Grades:
Rhinelander

Health Occupations

Introduction to Health Occupations
Students explore 200 careers in the health field. Students gain background in career employability skills, health terminology, career opportunities, skill and educational requirements and they investigate various locations of employment such as hospitals and clinics. Links community health professionals with students in the classroom and, when feasible at the facility.
Grades: 9, 10, 11, 12
Rhinelander

Technology Education

Digital and Computer Electronics
The course provides students with an opportunity to study generation and processing of pulses used in electronic control systems and the basic operations of a microprocessor. Students build and work with circuits to reinforce learning in the area of logic circuits, robotics, flip-flops, counters, and control circuits. Students make circuit boards.
Grades: 9, 10, 11, 12
Rhinelander

Electronics Communications
Students study transmitter and receiver theory and applications for AM, FM, television and other broadcast bands. Laboratory activities and circuit analysis allow the student to understand oscillators, amplifiers, digital processing, fiber optics, laser transmission, and antennas. Students make printed circuit boards and construct projects of their choice to keep.
Grades: 9, 10, 11, 12
Rhinelander

IT Communications
One semester. Exploratory class where students are introduced to the basic principles of graphic arts drafting, and photography. Students become aware of the educational experiences are available to them in the communications cluster.
Grades: 9, 10, 11, 12
Rhinelander

Photography 1
A complete basic photo course from how to take better pictures to mounting prints. Provides the beginning photographer with the necessary skills, techniques, and knowledge of photography in order to express ideas on film. Units of instruction: care and operation of camera, film development and making and enlarging prints.
Grades: 9, 10, 11, 12
Rhinelander

Photography 2
Advanced study in specialized areas of photography. Fundamentals of color photography are introduced. Units include: special treatment of negatives and prints, wildlife photography, landscape photography, portraiture, and making colored prints from slides.
Grades: 10, 11, 12
Rhinelander

Northcentral Technical College

Central Wisconsin School-to-Work

Agriculture Education

Natural Resources
Designed to explore natural resources and their management. The first part of the course emphasizes forestry and forest management including identification of wood species and identifying growth characteristics and their importance for wildlife. The second part of the course emphasizes wildlife, wildland management and ecology. Study of individual wildlife species is included as well as their habitat and ecological importance and aesthetics.
Grades: 9, 10, 11, 12
Athens

Business Education

International Business
Team taught by Business or Marketing Departments and the Foreign Language Department. Students receive an overview of international business and the international environment, become acquainted with the challenges of international/global communications, receive guidelines for successful cross-cultural business communications, and become aware of and appreciate a variety of cultures different from their own.
Grades: 10, 11, 12
DC Everest

Careers Plus
English and Business Education teach a semester course that deals with the choices and challenges that face students as they seek to find the career matches that are right for them. They explore personality strengths, interests and aptitudes; plan a future job search and have an opportunity to shadow someone in the occupation of their choice. Students design resumes, written application letters, and prepare for interviews.
Grades: 10, 11, 12
DC Everest

Applied Communications I
Basic principles of communication skills for personal and vocational needs are the cornerstone of this class. Speaking, listening, writing, plus basic word processing techniques and library skills are taught.
Grades: 12
Rib Lake

Business Education *(continued)*

Applied Communications II
Application of personal and vocational writing skills. Activities: resume writing, application letters, interviewing, practice in job seeking techniques, getting, keeping and leaving jobs.
Grades: 12
Rib Lake

Integrated Composition
One semester. Incorporates lessons to enhance employability skills for the students' co-op job, as well as for their careers. Projects will highlight the integration of the Business Ed. and English curriculum.
Grades: 12
Wausau: West

Family & Consumer Education

Food Science
Science and Family and Consumer Education Departments team teach. Students use the food laboratory facility plus a combination of equipment from both Science and Family and Consumer Education. Students gain an understanding of the content of foods and investigate food-preparation techniques through the use of scientific methods.
Grades: 10, 11, 12
DC Everest

Health Occupations

SADD/HYPE
Students participating in this independent study will organize a program for the school district to make students and community members aware of AODA, HIV/AIDS and other topics that could impact life in a negative way as well as encourage healthy behaviors. Students present their information to community groups in hopes that the knowledge gained will enhance community health through better decision making.
Grades: 9, 10, 11, 12
Athens

Special Needs Training Partnership
Three training partnerships with NTC exist for students with disabilities. The CNA Nurse's Aide Training Course, Machine Tool Course and the Junior Exploration in the areas of Diesel Mechanical Technology, Welding, Heating, Ventilation and Air Conditioning and Tours of Industry.
Grades: 11, 12
Wausau: West

Other

Career Decision Making
One semester. Designed to help students study, reflect on and better identify personal career interests and goals. Students use language arts and social studies skills. Includes a job shadowing component.
Grades: 10
Prentice

Kaleidoscope
Focuses on connections between art and chemistry. The goal is to offer new opportunities for students who enjoy art and/or chemistry. Work for this class involves both the hands and the mind. Careers are investigated.
Grades: 11, 12
Wausau: West

Technology Education

Tech Reading/Tech Writing
Emphasizes the reading and writing of science, math, and technology. Encourages student exploration of fields related to possible future employment or additional schooling. Students present group and individual oral presentations.
Grades: 11, 12
Antigo

Engineering I
Basic engineering concepts are studied while math, science, and English skills are integrated with the designing of an appropriate project. A strong emphasis is placed on problem solving, experimentation and hands-on work.
Grades:
Athens

Engineering II
Computer programs including auto cad and wind tunnel are learned as well as construction of a project in either the metal or wood shop.
Grades:
Athens

High Mileage Car
Students divide into groups of five and design, problem solve, and construct a high mileage vehicle to compete in the UW Stout competition. Math, English, and writing skills are used.
Grades: 9, 10, 11, 12
Athens

Medical Publications II
Increases communication skills through various applied technologies.
Grades: 9, 10, 11, 12
Athens

Active Physics
Team taught by Physics and Technology Ed. Departments. The course is hands-on and uses alternative assessment. Physics concepts are presented in thematic units rather than in a traditional sequence. A student-built hovercraft is demonstrated.
Grades: 11, 12
Wausau: West

Art/English
Art students create and paint a mask and write a story in English class about their mask. When finished they type the story on the computer and display the final product.
Grades: 9
White Lake

Northeast Wisconsin Technical College

Northeast School-to-Work / Tech Prep Consortium

Agriculture Education

Botany/Horticultural Landscaping
Integrates environmental science and agriculture education concepts, skills and careers.
Grades: 9, 10, 11, 12
Algoma

Forestry/Wildlife Conservation
Integrates environmental science and agriculture education concepts, skills and careers.
Grades: 9, 10, 11, 12
Algoma

Soil/Water Conservation
Integrates environmental science and agriculture education concepts, skills and careers.
Grades: 9, 10, 11, 12
Algoma

Business Education

Applied Communications
English and Business Education Departments focus on oral and written communication skills necessary for success in the workplace.
Grades: 11, 12
Denmark

Written Communications
Articulated with NWTC. Covers aspects of technical writing, word processing, business communications and proper job application procedures.
Grades: 11, 12
Luxemburg-Casco

Marketing Education

Small Business Development
Combines Junior Achievement activities with social skills and concepts of business operations.
Grades: 11, 12
Shawano-Gresham: Shawano

Other

Freshman Block
Team taught Physics/Science. Where physical properties are studied utilizing Physics Ed curriculum.
Grades: 9
De Pere

Technology Education

Modular Technology
Modular technology lab covers 16 areas of future technologies/careers.
Grades: 9
Algoma

Tech Reading and Writing
Designed to integrate English skills and technology.
Grades: 10, 11, 12
Algoma

Tech Algebra
Team taught, two hour block. Students experience application of algebra concepts as they apply to Technology Ed.
Grades:
De Pere

Tech Geometry
Team taught in two hour block. Students experience application of geometric concepts as they apply to Technology Ed.
Grades: 9, 10, 11, 12
De Pere

Graphic Arts
Team taught by Technology Ed. and English. Students publish the school newspaper, and gather, define, investigate, and publish news, poetry, and short stories for the school and community.
Grades: 11, 12
Shawano-Gresham: Shawano

Written Communication
Units: the nature of technical writing, principles of the writing process, memos, business letters, resume and cover letter, instructions, summary and short reports.
Grades: 11, 12
Wausaukee

Southwest Wisconsin Technical College

Southwest Wisconsin Technical College / K-12 School-to-Work Consortium

Agriculture Education

Aquaculture
The process of raising fish in confined areas is the focus of this course. Students learn the principles of biology, agriculture, math skills, technology and marketing.
Grades: 11, 12
Mineral Point

Exploring Natural Resources
One semester. Topics of study include wildlife preservation, water cycle, recreation resources, water resources, forest management, air pollution and world population.
Grades: 10, 11, 12
Platteville

Business Education

Communication in the 90's
Emphasizes writing for the business world. Develops skills for writing resumes, letters of application, and research skills for technical writing.
Grades: 12
Argyle

EEN/CDB Personal
EEN students learn basic financing skills: banking, budgeting, insurance, credit, housing costs, transportation needs, completing forms and medical needs.
Grades: 9, 10
Barneveld

Career Communications
Exposes students to the type of literature necessary to seek, find and keep a job in the business world.
Grades: 11, 12
Boscobel

English & Technology
One year. Team taught. Focuses on the integration of English, technology and word processing skills through various activities, including technical reading and writing, literature, grammar, and applied speaking.
Grades: 11
Platteville

Family & Consumer Education

Food Science
Students gain an understanding of the chemical and biological principles of food. They experiment with familiar everyday objects and ingredients with immediate practical benefits.
Grades: 10, 11, 12
Argyle

Activities for Young Children
Students participate in job shadows at local pre-schools and day care centers. As a cooperative effort, the class develops and invites children to a child care setting. The student plans the schedule and curriculum. They experience being assistants and teachers.
Grades: 11, 12
Cuba City

Family & Consumer Education *(continued)*

Food Service
Students gain skill and knowledge to be successful in food service. Units include: safety and sanitation, quantity, equipment, menu planning and preparation for work placement including a resume and interviewing skills. Emphasis is placed on lab work, understanding relationships with fellow workers, development of personal responsibility and decision making.
Grades: 12
Cuba City

Introduction to Food Service
Explores the food service industry along with hospitality careers and provides the student with experiences in quantity food preparation and service. Occupations in management, production, and service in institutional, commercial and self-owned food establishments are presented. The students develop skills in human relations, employability and career development. Students are involved in mass production, fast food simulation, and amateur catering.
Grades: 10, 11, 12
Cuba City

Language Arts

Career Awareness
English students experience the following: WCIS Career Ways, interests, skills, aptitudes inventories; making a 4-year plan, a career center introduction; an Internet introduction; and a career research paper.
Grades: 9
Iowa-Grant

Consumer Chemistry
Prepares tomorrow's consumers through study of the chemistry of everyday products. Uses labs, lectures, readings to evaluate beverages, over-the-counter drugs, fertilizers, water, foods and food additives, textiles, and petroleum.
Grades: 11, 12
Pecatonica

Food Science
Studies food microbiology, composition and nutrition. Covers all phases of food production, including raw material production, handling, processing, distribution, marketing, and consumption.
Grades: 11, 12
Pecatonica

Math

Consumer/Career Math
Part of the Research and Development family.
Grades: 11, 12
Mineral Point

Technology Education

Applied Tech
Students explore the technical fields of their choice. Students write a contract of work for the semester which includes projects and experiments.
Grades: 10, 11, 12
Barneveld

Communications
Students learn to problem solve with simulation equipment and create products from what they have learned. Content includes: audio productions, video productions, robotics, satellites, laser and fiber optics, computer aided drafting, electronics, and more.
Grades: 9, 10
Barneveld

Transportation
Students learn various methods of transporting goods and people through various environments such as air, water, and land. Activities include designing a ship, running a business, designing a boomerang, model rocketry, CO2 dragsters, and calculating horsepower.
Grades: 9, 10
Barneveld

Communication, Technology and Graphics
Team taught. Multiple technology activities occur at training stations. Students explore technology careers and make presentations of their projects.
Grades: 10, 11, 12
Kickapoo

Waukesha County Technical College

Waukesha County School-to-Work Consortium

Business Education

International Business
Students gain a working knowledge of international issues and an understanding of world interdependence. Students explore careers and use foreign language skills.
Grades: 11, 12
Menomonee Falls

Blood Analysis
One week. The medical terminology students learn how to analyze a blood lab test, how to do a blood typing and RH factor lab, and how to measure blood pressure using an electronic device, as well as to tell what those readings mean. The advanced biology students learn the same things plus additional terminology.
Grades: 10, 11, 12
Muskego-Norway

Family & Consumer Education

Psychology of Child Development
One week team taught course in which psychology students have hands-on experience viewing children in the child development day care and preschool labs as well. Child development students learn about child psychology from their peers and the child psychology teacher.
Grades: 11, 12
Muskego-Norway

Other

Writing and Publishing
Two hour block. Students receive two credits for the year course.
Grades: 10, 11, 12
New Berlin: Eisenhower, West

International Business
Emphasizes an awareness of the importance of history, geography, language, cultural studies, currency, and business ethics. Team taught by Business and Foreign Language Departments. Individual and group activities allow students to broaden their knowledge of the global marketplace.
Grades: 10, 11, 12
New Berlin: Eisenhower

Technology Education

Human Powered Vehicle Project
Through a GTE grant, Math, Science, and Technology Education Departments integrate content in physics, FST and power to apply math and science concepts to the design, construction and test ride of a human powered vehicle.
Grades: 11, 12
Arrowhead

Western Wisconsin Technical College

Western Wisconsin School-to-Work Consortium

Business Education

Language and Technology
Computer work stressing versatility and the ability to do word processing are required. Other software is integrated with workplace communication skills, such as interpersonal communications, creative problem solving and technical writing.
Grades: 10
De Soto

International Business I & II
Designed to explore the varied approaches to doing business around the world. Topics covered include: introduction to global business practices, travel, time, currencies, and the law.
Grades: 10, 11, 12
La Crosse: Central, Logan

Business/English Communications
Introduces students to listening, writing, reading, and speaking skills. Includes telephone etiquette, job campaign application letters, personal data sheets, and interviewing.
Grades: 11, 12
Tomah

English 11-Communicating, Gathering, and Using Information in the Workplace
Designed to help students develop and refine career-related communication skills. Topics: starting a new job; problem solving; communicating with supervisors, co-workers, clients, and customers.
Grades: 11, 12
Westby

Technology Education

Modules of Technology
An introduction to many types of technology from desktop publishing to digital music. Most of the modules have other classes within the high school to support them.
Grades: 9, 10, 11, 12
Black River Falls

Communications
A study of the industry and practices through the application of tools, skills and materials.
Grades: 11, 12
Melrose-Mindoro

Principles of Engineering
A Physics/Tech Ed. course. Approved curriculum for Engineering students.
Activities: robots and bridges.
Grades: 11, 12
West Salem

Wisconsin Indianhead Technical College

Northwest Wisconsin Area Tech Prep / School-to-Work Consortium

Agriculture Education

Conservation
Conservation topics include: historical significance of conservation, concepts of natural resources, soil, water, recreation and energy resources. Careers in each area are discussed.
Grades: 9, 10, 11, 12
Ashland

Genetics
The study of inheritance. Examines the history of genetics and the contributions of Mendel, Watson, Crick and Morgan. Studies the progress of the Human Genome Project and examines its impact upon human society. Emphasizes human genetic defects with detailed study of four common genetic defects. Laboratory investigations include: a) determination of the distribution of single, double, and multiple traits from parent to offspring using fruit flies; b) predicting phenotype and genotype ratios of offspring; c) chromosome mapping; d) DNA finger printing; and e) duplication of Mendel's experiments using garden peas. Field trips to the UW-Eau Claire campus.
Grades: 12
Chetek

Business Education

Technical Trends in English
Combines English skills and multimedia works with communication skills in the workplace.
Grades: 12
Ashland

Introduction to Youth Run Enterprises
Students receive an overview of business development, marketing, and maintaining an enterprise. Topics: pre-employment skills, market analysis, interviewing skills, job shadowing, business accounting, writing skills, and business planning.
Grades:
Drummond

The Enterprise
The study of industrial enterprise as it draws from any or all of the communication, construction, manufacturing and transportation courses. Students organize, fund, operate, produce and market a product or service during the semester.
Grades: 11, 12
Drummond

Business Education *(continued)*

Workplace Communications
Students learn various means of communicating at work such as listening; responding; giving instructions; describing a process; completing forms; preparing memos, letters, and reports; persuading; and applying for a job.
Grades: 11, 12
Glidden

Tech English
Develops professional and technical writing skills. A job portfolio and resume are created. Newsletters and magazine publications are produced.
Grades: 12
Shell Lake

English 12
Two semesters. One semester is the English component, the other semester is the Business Education component. Two teachers coordinate their curricula and conduct shared activities. Topics: applied communications, written and spoken as it is used in the workplace. Students also study literature as it applies to the workplace.
Grades:
Superior

Mass Communications
Students utilize skills developed in their journalism, desktop publishing, management and communications classes on projects related to the work world. The course is run like a typical business.
Grades: 11, 12
Turtle Lake

Current Events
Students study the broader world through current national issues related to government, science, international news, environment, health, business and technology.
Grades: 9, 10, 11, 12
Washburn

Advanced Business Lab
Deals with specific situations and applications related to the Macintosh computer. Students work on the high school activities calendar as well as assist the instructor in network or related computer problems.
Grades: 9, 10, 11, 12
Webster

Family & Consumer Education

Human Development
One semester. Students gain knowledge of a career in child care. Areas include day care centers, environment, activities, health and first aid and meals and snacks. Students participate in running a day care.
Grades: 9, 10, 11
Glidden

Food Science
Covers material related to scientific principles in the development and production of food products.
Grades: 10, 11, 12
Hayward

Family & Consumer Education *(continued)*

Food Science/Forensics
Team taught by Science and Family and Consumer Education. Students learn the chemical and biological principles of food. Topics: food production, processing and consumption, nutritional analysis, new product development, food biotechnology, sensory analysis, food safety and additives. The second focus is on forensics which is the study of crime and crime scenes. This hands-on course emphasizes lab experiences and in-class discussions.
Grades: 11, 12
Weyerhaeuser

Other

Career Exploration
Career development skills are learned through portfolios and Career Visions formats. Covers job specific skills. Students learn to fill out applications and prepare resumes.
Grades: 9, 10, 11, 12
Webster

Social Science

Psychology
The study of experimental psychology, perception, sensation, memory, personality theory, the brain's functions and mental illness. Projects are word processed and researched using computers.
Grades: 12
Washburn

Technology Education

Manufacturing Systems
Students design, develop, produce and market a product for profit. Possible products include step ladders, flower boxes, picnic tables, and benches.
Grades:
Drummond

Technology Communication
One-semester, team taught course designed to integrate English communication and Technology Education. Also included is a work-based business on video production. Students gain experience in how to film, produce, edit and advertise a video. Powerpoint and desktop publishing are also incorporated.
Grades: 11, 12
Glenwood City

Applied Economics
Students form a company, raise capital through the sale of stock, design, produce and finally, sell the product. Liquidation occurs at the end of the year.
Grades: 9, 10
Glidden

Technology Learning Lab
Hands-on activities are used to explore new and emerging technological careers which stress math, science and language arts careers.
Grades: 10, 11, 12
Hayward

Aviation
One block semester. Students use math and technology to design, build and fly airplanes.
Grades: 9
Luck

Language and Technology
Students are introduced to generation, manipulation, storage, transmission, and marketing of information. Hands-on activities in all four areas are provided. Students work in groups to plan, film, and edit projects. One major project is the production of a news program.
Grades: 9, 10, 11, 12
Somerset

Production Tech
Students form a company in order to mass produce, market and sell a product. Students apply and fill the management positions of President, Marketing, Financial, Quality, and Production. Concepts in each management area are studied and applied.
Grades: 9, 10, 11, 12
Spooner

Integrated Tech
Provides an understanding of the principles of technology and the associated mathematics. Each unit is devoted to the study of an important concept that undergirds technology and explains what the principle is and how it is used in Mechanical, Fluid, Electrical and Thermal systems. Students learn about modern technology and the basic ideas that control and shape technology.
Grades: 9, 10, 11, 12
Webster

Applied Tech II
Major areas of study include: graphic, electric, light and acoustic. The student picks a cluster to research, do experiments and develop skills. Students learn technological literacy, career exploration and problem-solving skills in each area.
Grades: 10, 11, 12
Webster

Biotechnology

Based on the application of biology and agriculture, this course is taught with hands-on labs that relate to the marketplace, food, agriculture and medicine. Typical content includes: genetics, DNA and RNA, gene splicing, genetic engineering and molecular biology. Students become aware of the social and ethical concerns surrounding this field. Career opportunities are imbedded in the curriculum to help students make wise career choices.

The following schools are using some or all of the modules to create their curriculum for this course.

Big Foot
Black Hawk
Cambridge
Clinton
Eau Claire: Memorial
Eau Claire: North
Eleva-Strum
Freedom
Janesville: Craig
Janesville: Parker
Kenosha: Lakeview Technology Academy
Lancaster
Madison: East
Madison: LaFollette
Madison: Memorial
Madison: West
Marshall
McFarland
Monona Grove
Mount Horeb
Neenah
New Glarus
Oregon
Platteville
Portage
Prairie du Chien
River Falls
Stoughton
Turtle Lake
Watertown

Assistant Child Care Teacher Course
(ACCT)

Many Wisconsin schools teach the Assistant Child Care Teacher course (ACCT) that is DPI approved. The course has been approved since 1998 by the Department of Health and Social Services. This approval allows the Department of Public Instruction to develop, implement and monitor secondary level Assistant Child Care Teacher programs.

The course is divided into eleven units as follows:
Introduction to Child Care Services
The Center Environment
The Children
Interacting with Children
Classroom Activities
Classroom Safety
Health and First Aid
Meals and Snacks
Center Relationships
Working with Children
Professional Development

Requirements:

- A 40 hour course outline is required.
- Teachers must have a basic home economics license and 2,000 hours of home economics related work experience with at least 1,000 of these hours in the child care services area.
- Districts send their teacher to a one-day-regional, annual inservice and teachers also receive a yearly inservice and updating.
- Students must be at least 17 years of age, must have potential career interests in the childcare industry, should meet the physical/emotional health requirements and class size should be no more than 20 students.

The local district submits to the Department of Public Instruction the names of students who have successfully completed the program and the DPI awards individual certificates to them.

The following is a list of the schools that have been approved to teach the Assistant Child Care Teacher course this school year.

Abbotsford
Adams-Friendship
Alma Center: Lincoln
Appleton: East
Appleton : North
Arcadia
Arrowhead
Ashland
Ashwaubenon
Athens
Baraboo
Beloit: Memorial
Black River Falls
Blair-Taylor
Brodhead
Cadott
Cambridge
Campbellsport
Cedarburg
Central/Westosha
Chetek
Chippewa Falls
DeForest
Eau Claire: Memorial
Eau Claire: North
Edgerton
Ellsworth
Fall Creek
Fall River
Fond du Lac: Goodrich
Fort Atkinson
Germantown
Green Bay: East
Green Bay: Preble
Green Bay: Southwest
Green Bay: West
Hartford
Hayward
Howard-Suamico: Bay Port
Hudson
Independence
Janesville: Craig
Janesville: Parker
Kenosha: Bradford
Kenosha: Reuther
Kenosha: Tremper
LaCrosse: Logan
LaCrosse: Central
Lake Geneva: Badger
Lakeland
Madison: East
Madison: Memorial
Madison: Work and Learning Center
Marshall
Marshfield
McFarland
Menomonee Falls
Menomonie
Middleton-Cross Plains
Milwaukee: Custer
Milwaukee: Grand Alternative
Milwaukee: Hamilton
Milwaukee: Lady Pitts
Milwaukee: Riverside
Milwaukee: South Division
Milwaukee: Vincent
Milwaukee: Washington
Monona Grove
Mukwonago
Muskego
Neenah
Neillsville
New Berlin: Eisenhower
New Glarus
Oak Creek
Oconomowoc
Oconto
Onalaska
Oregon
Oshkosh: West
Oshkosh: North
Platteville
Plymouth
Prairie du Chien
Racine: Case
Racine: Horlick
Racine: Washington Park
Randolph
Ripon
Rosendale-Brandon: Laconia
Sauk Prairie
Shawano-Gresham: Shawano
Sheboygan: North
Sheboygan: South
Sheboygan Falls
Shullsburg
South Milwaukee
Sparta
St. Francis
Stevens Point
Stoughton
Sun Prairie
Superior
Tomah
Watertown
Waukesha: North
Waukesha: South
Waukesha: West
Waunakee
Waupun
Wausau: East
Wausau: West
West Bend
Whitehall
Whitnall
Wisconsin Heights

Commercially-Prepared Applied Curricula

The Annual Tech Prep Report (PI8101) asks school districts to describe applied courses taught in their school. Many Wisconsin teachers use commercially-prepared applied academic curricula. These materials generally are activity-centered and emphasize technical and practical skills relating to the work place. Most of these courses are divided into modules and teachers may use all the modules to create a course or supplement their curriculum with some of the modules.

Our goal in this guide is for teachers to talk with other teachers about innovations they have implemented. Since commercially-prepared materials appeared so often in school district descriptions we believe organizing these curricula by course and district will simplify making contacts with other school districts.

The following courses were mentioned most frequently by school districts responding to PI8101 in 1998:

- Communication 2000

Applied Coomunication was the forerunner to Communication 2000. The curriculum was developed by the Agency for Instructional Technology (AIT) in 1989. In 1996 AIT updated the curriculum, renamed the course Communication 2000, and Southwestern Educational Publishing Company distributed it.

The three courses below were developed by the Center for Occupational Research and Development (CORD).

- Applied Mathematics I and II
- Applications in Biology/Chemistry
- Principles of Technology

COMMUNICATION 2000
(AIT)

The Applied Communication series was developed in 1988 by the Agency for Instructional Technology (AIT). Communication 2000 builds on the success of that curriculum with 14 modules that provide the basis for a one- or two-year Communication course. Each module contains 15 lessons which feature a video to model skills needed in the workplace, literature lessons, instructional materials that use role playing, group processing, analyzing and making projections, application to specific occupational areas and authentic assessment strategies.

The 14 modules are:

- Workplace Communication
- Listening and Speaking
- Workplace Writing
- Information in the Workplace
- Reading in the Workplace
- Self-Management
- Negotiation to Solve Problems
- Communicating with Co-Workers
- Communicating with Customers
- Communicating in Teams
- Diversity in the Workplace
- Ethics in the Workplace
- Technical Communication
- Effective Presentations

The following schools have indicated they use some or all of the CORD modules in their Communications class:

- Clintonville
- Cudahy
- Hartford UHS
- Kenosha Bradford
- North Crawford
- Pittsville
- Portage Community
- Southwestern Wisconsin
- Spring Valley

Applied Mathematics I and II
(CORD)

Integrates pre-algebra, algebra and geometry concepts in context with emphasis on occupational application. Students work in teams and participate in practical hands-on activities that make math concepts practical and relevant.

Units include:

- Fractions, Decimals and Percents
- Basic Math Skills such as Problem Solving, Estimating, Metrics, Graphs, Charts and Tables
- Lines and Angles, Two and Three Dimensional Shapes
- Algebraic Skills such as Ratios and Proportions, Signed Numbers and Vectors, Scientific Notation, Solving Problems with Powers and Roots, Graphing Data, Nonlinear Equations
- Statistics and Probabilities
- Trigonometric Functions
- Factoring, Quadratics and Inequalities
- Geometry in the Workplace
- Using Computers
- Practice in the Workplace
- Plus many others

The following schools are using some or all of the modules to create their curriculum for this course:

- Algoma
- Argyle
- Arrowhead UHS
- Beloit Memorial
- Bruce
- De Soto Area
- Edgar
- Evansville Community
- Florence
- Freedom Area
- Gibraltar Area
- Holmen
- Hortonville
- Howards Grove
- Ithaca
- Kenosha Bradford
- Little Chute Area
- Maple Northwestern
- Medford Area
- Pittsville
- Reedsburg Webb
- Rosendale-Brandon: Laconia
- Shawano-Gresham Shawano
- Sparta Area
- Washington
- Wausaukee
- Watertown
- West Bend Alternative
- West Salem

Applications in Biology/Chemistry
(CORD)

Interdisciplinary lab course teaches science concepts through issues surrounding work, home, society and the environment. It coordinates a multimedia approach with text materials, hands-on laboratory exercises, cooperative learning activities and workplace-related video programs. Occupational applications show how science is used in actual career fields. The twelve non-sequential units are:

- Air and Other Gases
- Animal Life Processes
- Biotechnology
- Community of Life
- Continuity of Life
- Disease and Wellness
- Microorganisms
- Natural Resources
- Nutrition
- Plant Growth, Reproduction
- Synthetic Materials
- Water, Waste, Waste Management

The following schools are using some or all the modules in their course:

- Algoma
- Beloit Memorial
- Black Hawk
- Cedar Grove-Belgium Area
- Edgar
- Gibraltar
- Manitowoc Lincoln
- Medford Area
- Portage Community
- Shawano-Gresham Shawano

Principles of Technology

Principles of Technology teaches physics concepts in the context of their relationship to four energy systems—mechanical, fluid, electrical, and thermal. This hands-on practical science experience teaches students the mathematical and scientific principles behind technology. The work world is looking for students who have fundamental physics knowledge and problem solving skills that can be applied to the workplace. This course proposes to meet this need. Principles of Technology is a two-year program. Units include:

- Force
- Rate
- Energy
- Power
- Force
- Resistance
- Transformers
- Momentum
- Waves and Vibrations
- Energy Converters
- Transducers
- Radiation
- Light and Optical Systems
- Time Constants

The following schools are using some or all the modules in their course:

- Adams-Friendship Area
- Antigo
- Ashwaubenon
- Barneveld
- Barron Area
- Beaver Dam
- Beloit Memorial
- Black River Falls
- Chippewa Falls Area
- Clinton Community
- De Forest Area
- Gibraltar Area
- Grafton
- Hartford UHS
- Hayward Community
- Howard-Suamico
- Hudson
- Janesville Craig
- Janesville Parker
- Kaukauna Area
- Kickapoo Area
- La Crosse Central
- La Crosse Logan
- Marshfield
- Medford Area
- Menomonie Area
- Monona Grove
- Mukwonago
- New Richmond
- Oak Creek-Franklin
- Oconomowoc Area
- Onalaska
- Poynette
- Pulaski Community
- Racine Case
- Racine Horlick
- Racine Park
- Siren
- Tomah Area
- Union Grove Union Hi
- Watertown
- West Bend Alternative

CORD Applied Courses for UW System Credit

Many Wisconsin high schools are teaching whole courses or units of curriculum from the Center for Occupational Research and Development (CORD). The UW System institutions recognize applied courses are a valuable part of the high school curriculum that should enhance student's admission to any UW campus or center. Principles of Technology, Applied Mathematics I and II and Applied Biology/Chemistry courses are accepted toward admission at each of the schools. These courses use CORD curricula which teach concepts in contextual settings where the discipline is experienced in a practical way. The CORD course must be taught in its entirety in order to qualify.

Principles of Technology is a two year program applying physics principles to technological situations and concentrating on the use of physics formulas in the workplace rather than on their derivation and manipulation. Students work in lab settings using modern workplace technology.

Applied Mathematics teaches algebra and geometry concepts in context, in occupational settings. Students work in cooperative teams, participate in laboratory activities and other hands on activities that make mathematics concepts practical and relevant.

Applications in Biology/Chemistry teaches science in context through issues and topics surrounding work, home, society and the environment. Students work in cooperative teams, participate in laboratory-centered, hands-on activities that make science concepts practical and relevant.

If you have questions regarding these applied courses being used for admission, please contact the Admissions Office at the individual institutions.

The following charts indicate the variations in requirements from institution to institution.

Principles of Technology *

Physics or Phys/Gen Sci. = Univ. Core Science Unit	Physics	Physical/ General Science	Other Elective
UW-Centers	B	A	
UW-Eau Claire		A	E
UW-Green Bay		B	
UW-La Crosse	B	A	
UW-Madison	B		
UW-Milwaukee	B		
UW-Oshkosh	B		A
UW-Parkside	B	A	
UW-Platteville		B	
UW-River Falls	B		
UW-Stevens Point	B		
UW-Stout	B	A	
UW-Superior	B	A	
UW-Whitewater		B	

*Principles of Technology is a two-year sequence.
A = One credit (unit) is given if the course is taken for one year.
B = One credit (unit) is given if the course is taken for two years.
E = One elective credit (unit) is given for the second year of the course.

Applied Mathematics I & II

Algebra I or Gen Math = Univ. Core Math Unit	**Algebra I**	**General Math**	**Other Elective**
UW-Centers	C		
UW-Eau Claire	C		
UW-Green Bay	B		
UW-La Crosse	B		A
UW-Madison	C		B
UW-Milwaukee	C		B
UW-Oshkosh	C		
UW-Parkside	B		A
UW-Platteville	C		
UW-River Falls	C		
UW-Stevens Point	C		
UW-Stout	C		A
UW-Superior	C		B
UW-Whitewater	C		

A = One credit (unit) is given for Applied Math I.
B = One credit (unit) is given for combination of Applied Math I & II.
C = Students who complete Applied Math II, geometry and advanced algebra may be viewed as satisfying the college preparatory admissions requirement in math.

Applications in Biology/Chemistry

As developed by the Center for Occupational Research and Development (CORD)

	Biology	Natural Science	Elective
UW-Centers		B	
UW-Eau Claire	A	C	
UW-Green Bay		B	
UW-La Crosse	A		Elective if only one year completed
UW-Madison		B	
UW-Milwaukee		B	
UW-Oshkosh		B	Elective if only one year completed
UW-Parkside		C, D	
UW-Platteville	A		
UW-River Falls	A		
UW-Stevens Point		B	
UW-Stout		D	
UW-Superior	A		Elective if only one year completed
UW-Whitewater	A	C	

A = One credit (unit) applied to the Natural Science Biology requirement if taken for two years.
B = One credit (unit) applied to the Natural Science requirement if taken for two years.
C = One credit (unit) applied to the Natural Science requirement if taken for one year.
D = Two credits (units) applied to the Natural Science requirement if taken for two years.

Youth
Apprenticeship
Curricula

Wisconsin Youth Apprenticeship Course Descriptions

Automotive Collision Repair

Entry Level Basics for Auto Collision Repair

Introduces and gives a foundation of the automotive collision industry. Students learn basic safety practices, refinishing and detailing after refinishing.

Refinishing Trim

Students have experience in trim and hardware, moveable glass and restoring corrosion protection

Panel Preparation and Repair

Students learn panel preparation, panel replacement and alignment, metal straightening, use of body fillers and MIG welding.

Structural Analysis and Mechanical Repair

Students learn to analyze and estimate damage, make repair decisions, stationary glass replacement and cooling systems.

Automotive Technician

Automotive Servicing Orientation-Electrical/Electronic Systems

This course prepares students to perform the skills encountered when a technician services automobiles and light trucks. Students develop skills in metal work, hand tools, power tools, fastener usage, primary wire repair and engine maintenance. The student also will apply electrical and electronic fundamentals to the related service and testing of the automotive battery, starting and lighting systems.

Suspension and Steering I/Engine Performance I

The course provides the student with the skills required to inspect, service and replace suspension and manual steering components. Introduction to engine operating principles, the engine support systems and emissions control are included.

Brake Systems I/Suspension and Steering II

The module provides students with the skills required to inspect, service and replace brake system components. Students learn to service, repair and diagnose power assisted steering and electronic controlled suspension systems.

Brake Systems II/Engine Performance II

Students apply and improve skills performed in Brake Systems I and Engine Performance I. Students enhance their diagnosis, repair and service skills.

Biotechnology

Introduction to Biotechnology/Basic Laboratory Skills and Lab Skills II (2 semesters)

Students are introduced to the history of biotechnology. They study safe laboratory practices, how to prepare solutions and buffers, practice electrophoresis and examine the structure and function of DNA and genetic engineering.

Lab Skills III and IV (2 semesters)

Students build on previous knowledge by learning about advanced nucleic acid, protein, immunological and tissue culture techniques.

Drafting And Design--Architectural Design

Fundamentals of Drafting

Refer to Drafting and Design--Principles of Engineering, Fundamentals of Drafting

Computer Aided Design

Refer to Drafting and Design--Principles of Engineering, Computer Aided Design

Architectural Construction Documentation

Skills and knowledge will be developed in the interpretation of construction documents and production of architectural construction documents using computer drafting programs.

Materials and Methods of Construction

The course provides an overview of the design and construction process and the skills and knowledge required to produce the documents needed for building construction.

Drafting And Design--Engineering

Fundamentals of Drafting

Students develop the drawing techniques necessary for drafting, design and other engineering related occupations. Skills in linework, instrument use and drawing layout will be developed.

Computer Aided Design

Student knowledge of geometric construction and principles of drafting are applied to CAD concepts. Students will be required to prepare multi-view orthographic projection drawings that are dimensioned and annotated.

Engineering Graphics

This course covers the various aspects of the design process where engineering graphics is used. Descriptive geometry and construction drawing will be emphasized.

Principles of Engineering

This is a hands-on, laboratory-based course that allows students to work on real life case studies. Students are exposed to team problem solving, concurrent engineering, modeling, ethics and technology/society interactions.

Drafting And Design--Mechanical Design

Fundamentals of Drafting

Refer to Drafting and Design--Principles of Engineering, Fundamentals of Drafting

Computer Aided Design

Refer to Drafting and Design--Principles of Engineering, Computer Aided Design

Engineering Graphics

This course covers the various aspects of the design process where engineering graphics is used. Topics such as descriptive geometry and construction drawing will be emphasized.

Manufacturing Processes I

Students are introduced to theory and hands-on manufacturing applications. The main components include instruction and basic knowledge of hot and cold processes manufacturing considerations. It primarily utilizes the metals manufacturing area.

Finance

Customer Service: Teller Functions

An overview of teller operations is introduced. Some of the topics studied include processing incoming mail, customer account activities, use of filing systems and technical devices and applying customer service principles.

Customer Service: Account Services

Students become acquainted with checking and savings products, understanding of credit cards and account activities.

Consumer Lending

The course includes various forms of credit, consumer and commercial loan policies, legal regulations, documentation and use of internal credit records.

Operations And Extended Customer Services

Students study the functions of the Federal Reserve System, the relationship between the economy and depository institutions and how these factors influence operations of depository institutions.

Health Services

Health Facility Operations and Fundamental Client Care

This course provides an opportunity to learn general facility policies and procedures, safety and universal precautions, introductory health office skills, basic equipment use, communications and interpersonal skills, and fundamental client care skills. Basic related anatomy and physiology and relevant terminology and abbreviations are also included.

Direct Hands-On Client Care

This course provides an opportunity to learn additional fundamental client care skills, invasive client care skills, CPR, first aid and documentation skills and record keeping. The person will receive a "Certified Nursing Assistant" certification upon satisfactory completion of the Wisconsin State certification requirements.

Therapeutic Services

This course provides an opportunity to learn performance of nonclient duties related to various therapies, client handling skills, setting up clients for treatments, assisting nonclass II Therapeutic agents and office documentation skills related toTherapies.

Diagnostic Services

The course provides an opportunity to learn performance of nonclient duties related to the various diagnostic areas, client handling skills, assistance in setting up clients for diagnostic procedures, and office documentation skills related to the diagnostic procedures.

Hotel/Motel

Principles of Hospitality

The student is introduced to the origin, development, current scope and future outlook of the hospitality field. Social and corporate etiquette also are addressed.

Front of the House Lodging Operations

Areas of concentration are reservations, registration, concierge and bell staff.

Back of House Lodging Operations

Topics include maintenance, housekeeping (including scheduling and inventory procedures) and food service skills as well as supervisory techniques.

Ancillary Lodging Operations

Students learn about the departments that serve to direct and support staff operations. Topics concerning the executive committee, back office operations, and the Manager On Duty are addressed. Marketing principles and human relations are stressed.

Insurance

Principles of Insurance

Students learn the basic aspects of the major lines of insurance coverage: life, health, auto and home.

Principles of Property and Liability Insurance

This course focuses on the property and liability lines of insurance coverage. Students will learn the basic components of Homeowners and Personal Automobile Policies.

Principles of Life and Health Insurance

Students will learn the basic elements of life, health and disability plans--both individual and group. The students will discuss various retirement plans.

Customer Service

This course helps establish the proper techniques and practices in working with the customer. It teaches how to conduct various forms of customer service research and discusses how systems support customer service within the workplace.

Logistics

Transportation Basics

Students analyze transportation trends and the role of government, examine the trucking, railroad, airline, water carrier and pipeline industries, process shipping documents, handle claims, interpret tariffs, and examine intermodal and auxiliary carriers and traffic management.

Customer Service

Students explore telephone communication and problem solving, demonstrate career success traits, design customer service systems, and explore motivation and leadership.

Global Purchasing and Logistics

Students explore purchasing, ordering, vendor choices, billing, domestic and international issues and practices, duties and tariffs, and processing surplus and hazardous materials.

Logistics and Quality

Manufacturing and distribution, forecasting, production planning, inventory management, inspection, process control and the comparison of quality processes is included in this unit.

Manufacturing--Machining

Manufacturing Fundamentals

Introduces students to the concepts and skills involved in the manufacturing trade. The content will include safety, applied shop math, measuring and layout, interpreting drawings and blueprints, hand tools and an introduction to machine tools.

Machine Tool Concepts

The course introduces entry-level skills in manufacturing occupations. The content of this course includes the use of hand tools and milling operations to machine a workpiece.

Advanced Machining Concepts

The course is a continuation of the machining concepts necessary to provide entry-level skills in the machining trade.

Introduction to CNC and Manufacturing Careers

Exploratory experiences in machining careers is provided. The content includes computer-controlled applications, an introduction to mold making, metal stamping and die casting and basic machine maintenance.

Manufacturing--Plastics

Manufacturing--Production Technician

Manufacturing Fundamentals

Introduces students to manufacturing environments and occupations. Explores safe work habits and practices. Develops blueprint skills.

Manufacturing Processes I

Students explore the manufacturing processes of casting, forging, heat treating and plastic molding. Learners will gain theoretical background necessary to perform effectively at manufacturing worksites that utilize hot processes.

Manufacturing Processes II

Students explore welding, brazing, soldering, assembly, fabrication and coating processes as well as conventional, automatic and computerized machining.

Organizational Systems and Quality

Students explore the structure and function of administrative and support departments in the manufacturing organization. The course addresses the impact of safety regulations and quality initiative on the manufacturing environment.

Printing

Introduction to the Printing Industry

The course provides an overview of the printing industry, its basic operations, safety practices, reproduction photography, image assembly, platemaking, duplicator operations and job application skills. It requires the production of simple printed materials from concept through bindery operations.

Electronic Imaging/Publishing

Provides an overview of electronic publishing including typography, design principles and color theory. Students perform page layout and graphics production operations on a variety of printed products using desktop publishing.

Image Assembly

Provides an overview of the image assembly for the four major printing areas. Students will assemble images for printing jobs to be used for screen printing, offset printing, gravure and flexo.

Students enroll in one of the Image Transfer courses. Each course provides and overview of the process as it relates to the specific field.
Image Transfer--Offset
Image Transfer--Screen
Image Transfer-Flexography
Image Transfer--Roto Gravure

Production Agriculture

Tourism

Customer Service

Introduction to the seven functional areas of tourism: customer service, marketing, sales, public relations, human resources, management operations, and fiscal services.

Human Resources

Introduction to human resources and public relations. Customer service and marketing are developed with higher-level competencies.

Management Operations

Introduction to the fiscal services aspects of the industry.

Special Projects

This course emphasizes the production and completion of the special project report.

Youth Apprenticeship Programs by High School 1997-1998

Automotive Collision Repair

Appleton: North
Beaver Dam
Belmont
Black Hawk
Boscobel
Denmark
Dodgeville
Freedom
Gilmanton
Goodrich
Green Bay: Preble
Green Bay: Pulaski
Hortonville
Iowa Grant
Ithaca
Kenosha: Bradford
Kenosha: Tremper
Menasha
Mineral Point
Platteville
Richland Center
River Ridge
River Valley
Southwestern Community
Wauzeka-Steuben

Automotive Technician

Albany
Appleton: East
Appleton: North
Argyle
Ashwaubenon
Athens
Baraboo
Beaver Dam
Belmont
Beloit Memorial
Black Hawk
Campbellsport
Clinton
Clintonville
DC Everest
De Pere
De Pere East
De Soto
Deerfield
DeForest
Denmark
Dodgeville
Fond du Lac: Goodrich
Freedom
Germantown
Gibraltar
Grafton
Green Bay: Preble
Green Bay: West
Hamilton/Sussex
Holmen
Howard-Suamico: Bay Port
Howard Grove
Hudson
Hustisford
Ithaca
Kenosha: Bradford
Kenosha: Reuther
Kenosha: Tremper
Kewaunee
Kiel
Kimberly
La Crosse Central
La Crosse Logan
Little Chute
Loyal
Manitowoc: Lincoln
Marion
Marshfield
McFarland
Medford
Menasha
Menominee Indian
Menomonee Falls
Mequon-Thiensville:
Homestead
Middleton
Milton
Milwaukee: Pulaski
Milwaukee: Pulaski
Mineral Point
Monona Grove
Monroe
Montello
Mt Horeb
Mukwonago
Neenah
New Glarus
North Crawford
Onalaska
Oostburg
Oregon
Pardeeville
Peshtigo
Platteville
Port Washington
Racine: Horlick
Racine: Washington Park
Reedsburg
Reedsville
Rhinelander
River Ridge
River Valley
Riverdale
Seneca
Shawano-Gresham: Gresham
Sheboygan:
Sheboygan: South
Southern Door
Stevens Point
Stoughton
Sturgeon Bay
Sun Prairie
Tomah
Watertown
Waunakee
Wausau: East
Wausau: West
Wausaukee
Wauzeka-Steuben
West Salem
Westfield: Pioneer
Wrightstown

Biotechnology

Deerfield
Marshall
McFarland
Monona Grove
Oregon
Stoughton

Drafting and Design -- Architectural

Milwaukee: Trade & Tech
Oregon
Stevens Point

Drafting and Design -- Engineering

Beaver Dam
Bonduel
Cedarburg
Denmark
Eau Claire: Memorial
Eau Claire: Memorial
Eau Claire: North
Fond du Lac: Goodrich
Grafton
Janesville Parker
Mequon-Thiensville: Homestead
Milwaukee: Trade & Tech
Northern Ozaukee
Oakfield
Oconomowoc
Shawano-Gresham: Shawano
Stevens Point

Drafting and Design -- Mechanical Design

Beaver Dam
Germantown
Hudson
Janesville Parker
Manitowoc: Lincoln
Milwaukee: Trade & Tech
New Holstein
Oostburg
Sheboygan: Falls
Sheboygan: North
Sheboygan: South

Finance

- Abbotsford
- Algoma
- Alma
- Amery
- Antigo
- Beecher-Dunbar-Pembine
- Belmont
- Black Hawk
- Blair/Taylor
- Cambridge
- Campbellsport
- Colby
- Cuba City
- Darlington
- De Pere
- De Pere East
- De Soto
- Deerfield
- Dodgeville
- Edgar
- Florence
- Franklin
- Gale-Ettrick-Trempealeau
- Germantown
- Gibraltar
- Gilmanton
- Glenwood City
- Grafton
- Green Bay: East
- Green Bay: West
- Hamilton/Sussex
- Hartford
- Holmen
- Hudson
- Iowa Grant
- Kettle Moraine
- Kewaskum
- La Crosse Central
- La Crosse Logan
- Loyal
- Manawa: Little Wolf
- Manitowoc: Lincoln
- Marion
- Marshall
- Marshfield
- McFarland
- Medford
- Menomonee Falls
- Merrill
- Mineral Point
- Mishicot
- Monona Grove
- Monticello
- Mosinee
- New Holstein
- Niagara
- Northern Ozaukee
- Northland Pines
- Oconto Falls
- Onalaska
- Oostburg
- Oregon
- Platteville
- Port Washington
- Random Lake
- Reedsville
- Rib Lake
- River Valley
- Shawano-Gresham: Shawano
- Sheboygan: North
- Sheboygan: South
- Slinger
- Solon Springs: St Croix
- South Milwaukee
- Sparta
- Stevens Point
- Sun Prairie
- Tigerton
- Tomah
- Viroqua
- Waunakee
- Wausau: West
- Wauwatosa East
- Wauwatosa West
- Wauzeka-Steuben
- West Bend East
- West Bend West
- West Bend West
- West Salem
- Westby
- Whitnall
- Wisconsin Rapids: Lincoln
- Wittenberg/Birnamwood

Health Services

Abbotsford
Algoma
Antigo
Appleton: East
Argyle
Belmont
Black Hawk
Bonduel
Boscobel
Bowler
Cedarburg
Chippewa Falls
Clintonville
Cuba City
De Pere
Deerfield
Denmark
Dodgeville
Edgerton
Elkhorn
Freedom
Grafton
Green Bay: Southwest
Hamilton/Sussex
Highland
Hortonville
Howards Grove
Iola-Scandinavia
Iowa Grant
Ithaca
Kickapoo
Kiel
Lancaster
Manawa: Little Wolf
Manitowoc: Lincoln
Marshall
McFarland
Menasha
Menomonee Falls
Milton
Milwaukee: Hamilton
Mineral Point
Mondovi
Monroe
Monticello
New London
Northern Ozaukee
Oak Creek
Oregon
Park Falls
Platteville
Plymouth
Port Washington
Prairie du Chien
Prentice
Racine: Case
Racine: Horlick
Racine: Washington Park
Reedsville
River Ridge
River Valley
Riverdale
Sauk Prairie
Sevastopol
Shawano-Gresham: Gresham
Shiocton
South Milwaukee
Sturgeon Bay
Sun Prairie
Tigerton
Valders
Watertown
Waukesha: North
Waukesha: South
Waukesha: West
Waunakee
Waupaca
Wauwatosa: East
Wauzeka-Steuben
Williams Bay
Wis Heights
Wittenberg/Birnamwood

Hotel/Motel

Ashland
Bayfield
Campbellsport
Fond du Lac: Goodrich
Gibraltar
Green Bay: East
Green Bay:Preble
Hudson
Seymour
South Milwaukee
Stevens Point
Superior
Washburn
Williams Bay

Logistics

Black Hawk
Denmark
Dodgeville
Green Bay: Preble

Manufacturing -- Machining

Amery
Antigo
Arrowhead
Beloit: Memorial
Black River Falls
Brookfield East
Campbellsport
Cedarburg
Clinton
Cudahy
De Pere
Denmark
Eau Claire: North
Eau Claire: Memorial
Eau Claire: North
Fond du Lac: Goodrich
Germantown
Grafton
Green Bay: West
Hamilton/Sussex
Horicon
Howard-Suamico: Bay Port
Howard-Suamico: Bay Port
Howards Grove
Hudson
Ithaca
Janesville: Parker
Kewaskum
Lomira
Manitowoc: Lincoln
Mayville
Medford
Mukwonago
New Holstein
Oak Creek-Franklin
Oconomowoc
Pewaukee
Plymouth
Port Washington
Portage
Pulaski
Racine: Washington Park
Random Lake
Reedsville
Seymour
Sheboygan: Falls
Sheboygan: South
Shiocton
South Milwaukee
Stevens Point
St Croix: Central
Waukesha: South
Waukesha: West
Wauwatosa: West
West Bend: West
Weyauwega-Fremont

Manufacturing -- Plastics

Baraboo
Kenosha: Bradford
Kenosha: Tremper
Oregon
Wilmot

Manufacturing -- Production Technician

Antigo
Beaver Dam
Belmont
Berlin
Black Hawk
Bonduel
Clinton
Clintonville
Cuba City
Cudahy
Fond du Lac: Goodrich
Fort Atkinson
Hamilton/Sussex
Horicon
Hortonville
Hudson
Ithaca
Mayville
Mequon-Thiensville:
Homestead
Merrill
Milton
Mineral Point
Mosinee
Mukwonago
Northern Ozaukee
Oak Creek-Franklin
Oak Creek-Franklin
Oshkosh: North
Oshkosh: West
Platteville
Random Lake
River Valley
Shawano-Gresham: Shawano
South Milwaukee
Southern Door
Watertown
Wauzeka-Steuben
West Bend: East
West Bend: West
West Bend: West
West De Pere
Wittenberg/Birnamwood

Printing

Algoma
Appleton: East
Appleton: North
Appleton: West
Beaver Dam
Campbellsport
DeForest
Delavan-Darien
Fond du Lac: Goodrich
Freedom
Hamilton/Sussex
Hartford Union
Kettle Moraine
Kewaskum
Kimberly
Little Chute
Lomira
Madison: LaFollette
Marion
Marshall
McFarland
Menomonee Falls
Merrill
Milwaukee: Hamilton
Milwaukee: Trade & Tech
Mosinee
Neenah
New Berlin: Eisenhower
New Richmond
North Fond du Lac: Horace Mann
Oregon
Oshkosh: North
Oshkosh: West
Pulaski
Sevastopol
Shabazz City
Shawano-Gresham: Shawano
Slinger
Stevens Point
Stoughton
Sturgeon Bay
Sun Prairie
Waukesha: South
Waukesha: West
Waunakee
Wauwatosa: East
West Bend: East
West Bend: West
West Bend: West

Production Agriculture

Campbellsport
Milton

Tourism

Abbotsford
Algoma
Athens
Barneveld
Bonduel
Boscobel
Bowler
Crandon
DeForest
Dodgeville
Edgar
Green Lake
Holmen
Hurley
Iowa-Grant
La Crosse: Logan
Marion
Markeson
Menominee
Menominee Indian
Mineral Point
Monona Grove
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7	Ashwaubenon		981	Don Maslinski	2391 Ridge Rd.	Green Bay	54304
10	Augusta		224	Ken Stahl	E19320 Bartig Rd.	Augusta	54722
2	Beloit	Memorial	1887	James Fitzpatrick	1225 4th St.	Beloit	53511
11	Birchwood		110	John Osterloth	300 S. Wilson St.	Birchwood	54819
3	Boscobel		305	Pat Roseliep	300 Brindley St.	Boscobel	53805
11	Boyceville		322	Robert Plaehn	161 East St.	Boyceville	54725
2	Burlington		1256	Jose Martinex	225 Robert St.	Burlington	53105
6	Campbellsport		594	Aida Mityas	114 W. Sheboygan Street	Campbellsport	53010
11	Chetek		393	Roger Wistreill	1001 Knapp St.	Chetek	54728
11	Clayton		114	Ed Langham	221 Prentice St.	Clayton	54004
5	Columbus		435	Dan Rikli	1164 Farnham St.	Columbus	53925
4	DeSoto		221	Martin Kirchoff	600 Main Street	DeSoto	54624
3	Dodgeville		417	Jeff Athey	912 W. Chapel	Dodgeville	53533
9	Edgar		248	Mark Lacke	203 E. Birch St.	Edgar	54426
2	Edgerton		548	Jeff Gibson	200 Elm High Dr.	Edgerton	53534
10	Eleva Strum	Central	208		Rt. 1, Box 500	Strum	54770
11	Elk Mound		301		405 University St.	Elk Mound	54739
11	Ellsworth		662	Chuck Buckel	333 W. Hillcrest	Ellsworth	54011
2	Evansville		449	Bob Scott	420 S. 4th St.	Evansville	53536
4	Galesville-Ettrick-Trempeleau		439	Jim Tocko	PO Box 4000	Galesville	54630
10	Gilmanton		82	Jay Silvernail	PO Box 28	Gilmanton	54743
12	Glidden		93	Jim Dohm	370 S. Grant St.	Glidden	54527
11	Grantsburg		353	Joni Burgin	480 E. James Ave.	Grantsburg	54840
1	Hamilton		1128	David Furrer	W220 N6151 Townline Road	Sussex	53089
12	Hayward		667	William Mestelle	PO Box 860	Hayward	54843
4	Holmen		890	Bernie Ferry	1001 McHugh Rd	Holmen	54636
7	Howards Grove		335	Chris Ligocki	401 Audubon Rd.	Howards Grove	53083
4	Independence		157	Kevin Larson	108 6th St.	Independence	54747
2	Johnson Creek		173	Steve Patz	111 South Street	Johnson Creek	53038
6	Kimberly		763	Mike Rietveld	5455 S. John St.	Kimberly	54136
4	LaCrosse	Central	1320	Thomas Barth	1801 Lusey Blvd. S	LaCrosse	54601
2	Lake Geneva	Badger	971	Mark Pienkos	220 South St.	Lake Geneva	53147
8	Laona		102	Robert Marsicek	PO Box 57	Laona	54541
5	Lodi		437	Elain Plank	101 School Street	Lodi	53555
2	Madison	LaFollette	1454	Mike Meissen	702 Pflaum Road	Madison	53716
5	Mauston		576	Bill Bomber	508 Grayside Ave.	Mauston	53948
2	McFarland		620	Jim Hickey	5101 Farwell St.	McFarland	53558
8	Menominee Indian		277	Wendell Waukau	PO Box 850	Keshena	54135
11	Menomonie		1107	Lee Benish	1715 5th St. W.	Menomonie	54751

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1	Milwaukee	Hamilton	1933	Michael Czerwinski	6215 W. Warnimont Ave.	Milwaukee	53220
CESA	**District**	**School**	**9-12 Enroll**	**Contact Person**	**Address**	**City**	**Zip**
1	Milwaukee	North	954	Archie Ivy	1011 W. Center St.	Milwaukee	53206
6	Neenah		2022	Larry Lewis	1275 Tuller Rd.	Neenah	54956
3	North Crawford		259	Dan Davies	Rt. 1, Box 1589	Soldiers Grove	54655
6	North Fond du Lac		405	Bob Kent	225 McKinley Street	North Fond du Lac	54937
11	Pepin		133	Greg Danke	510 Pine St.	Pepin	54759
1	Pewaukee		546	Hollis Herrell	510 Lake St.	Pewaukee	53072
5	Portage		899	Steve Willson	2505 New Pinery Rd.	Portage	53901
3	Prairie du Chien		516	Duane Bark	800 E. Crawford	Prairie du Chien	53821
7	Reedsville		314	Bill Dietz	340 Maintowoc St.	Reedsville	54230
9	Rhinelander		1159	Jim Gehrke	665 Coolidge Ave.	Rhinelander	54501
11	Rice Lake		1043	Bob Fisher	30 S. Wisconsin St.	Rice Lake	54868
8	Shawano-Gresham	Gresham	94	Robert Klopke	501 E. Schabow St.	Gresham	54128
7	Sheboygan Falls		624	Tom Grams	220 Amherst	Sheboygan Falls	53085
11	Shell Lake		221	Terry Reynolds	RR1, Box 267	Shell Lake	54871
11	Somerset		295	Randy Rosburg	645 Sunrise Drive	Somerset	54025
12	South Shore		116	Kent Bergum	PO Box 40	Port Wing	54865
11	Spooner		621	Donald Hauck	500 College St.	Spooner	54801
7	Stockbridge		80	Bob Werley	PO Box 180	Stockbridge	53088
7	Sturgeon Bay		541	Robert Grimmer	1230 Michigan St.	Sturgeon Bay	54235
5	Tomorrow River		331	Roger Stuart	357 N. Main Street	Amherst	54406
2	Union Grove		622	Al Mollerskov	3433 S. Colony Avenue	Union Grove	53182
4	Viroqua		475	Ted Harris	100 Blackhawk Dr.	Viroqua	54665
7	Washington Island		34	Terry Crowley	RR1, Box 2	Washington Island	54246
2	Waunakee		778	Brian Kersten	101 School Drive	Waunakee	53597
11	Webster		266	Paul Amundson	26428 Muskey Ave. S.	Webster	54893

December, 1998

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SKILL CERTIFIED CO-OP

Wisconsin's Cooperative Education Skill Standards Certificate Program is based on a partnership between business and industry and secondary and post secondary schools. Business and industry set and communicate industry-based skill standards, provide workplace mentors who participate in assessment and skill credentialing and establish industry-based quality assurances that provide for portability of the skill credential.

Business and industry involvement is not new to cooperative education, but the identification and assessment of industry-based skill standards is. Students completing the program will be issued a state-endorsed certificate from the State Superintendent of Public Instruction. This certificate is a representative statement of the skills obtained through the cooperative learning experience. This certificate is endorsed by supporting industry and education organizations and enhances a student's future workplace portfolio.

The following schools offer certified co-op:

Abbotsford
Altoona
Antigo
Arcadia
Argyle
Ashland
Baldwin-Woodville
Baraboo
Barneveld
Beaver Dam
Belmont
Beloit Turner
Beloit: Memorial
Black Hawk
Bloomer
Bonduel
Burlington
Cadott
Campbellsport
Central/Westosha
Chippewa Falls
Clinton
Colby
Cuba City
Darlington
DeForest
Delavan-Darien
Denmark
DePere
Dodgeville
East Troy
Eau Claire: Memorial
Eau Claire: North
Ellsworth
Gillet
Greendale
Hartford Union
Holmen
Howards Grove
Independence
Iowa Grant
Janesville: Craig
Janesville: Parker
Jefferson
Kenosha: Bradford
Kenosha: Reuther
Kenosha: Tremper
Kimberly
La Crosse: Logan
Lancaster
Manitowoc: Lincoln
Marshfield
Mauston
Mayville
Menominie
Merrill
Middleton-Cross Plains
Milton
Milwaukee: Hamilton
Milwaukee: Custer
Milwaukee: Juneau
Milwaukee: Marshall
Milwaukee: MATC
Milwaukee: South Division
Mineral Point
Monona Grove
Monroe
Mosinee
Mukwonago
Muskego-Norway
Neenah
New Berlin
New Richmond
North Crawford
Oakfield
Oconto Falls
Oregon
Pardeeville
Peshtigo
Platteville
Port Washington-Saukville
Princeton
Pulaski
Racine: Case
Racine: Horlick
Racine: Washington Park
Reedsburg: Webb
Richland Center
Ripon
Riverdale
Sauk Prairie
Sheboygan Falls
South Milwaukee

Richland Center
Ripon
Riverdale
Sauk Prairie
Sheboygan Falls
South Milwaukee
Sparta
Spencer
Stevens Point
Sun Prairie
Superior
Waterford
Watertown
Waukesha: North
Waukesha: South
Waukesha: West
Waunakee
Waupaca
Waupun: Waupun
Wausau: West
Wauzeka-Steuben
West Allis: Central
West Allis: Nathan Hale
West Bend
Weston
Weyauwega-Fremont
Whitnall
Wisconsin Dells
Wrightstown